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Census of Manufactures

MC82-S-2

SUBJECT SERIES

Manufacturing Activity in Government Establishments



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The publications
from the 1982 Economic and
Agriculture Censuses are dedicated
to the memory of Shirley Kallek,
Associate Director for Economic Fields.
During her career at the Census
Bureau (1955 to 1983), she directed
efforts to continually improve
the timeliness and accuracy of
economic statistics.

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Issued August 1983



U.S. Department of Commerce

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Gerald J. Mossinghoff, Acting Deputy Secretary

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Economic Affairs

BUREAU OF THE CENSUS

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Economic and Agriculture Censuses

INDUSTRY DIVISION
Gaylord E. Worden, Chief

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Manufacturing Activity in Government Establishments

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EXPLANATORY TEXT

GENERAL

This report presents data on the manufacturing activities of selected government establishments in the United States. The data are not included in other 1982 Census of Manufactures reports, which cover only privately operated establishments. Manufacturing establishments owned by the Federal Government and operated by private companies, either for the Government or on their own account, are included with privately operated establishments.

Three types of Government manufacturing establishments are recognized for this report: (1) Department of Defense facilities, (2) Federal, State, and District of Columbia penitentiaries, and (3) all other U.S. Government facilities. Data are shown only for the first two types; the third is discussed briefly at the end of this text.

The data for Department of Defense facilities were collected on census report Form MA-171, Department of Defense-Owned and Operated Establishments Primarily Engaged in Manufacturing and Assembly, and/or Research and Development; data for penitentiaries were collected on Form MC-D4, Report From Penal Institutions. Copies of both forms are shown in the appendixes. The data for the report from penal institutions are presented by product group, all other data are presented by industry groups, as defined in the 1972 SIC manual and its 1977 supplement¹. In addition to industry groups, data are presented by geographic areas—the United States, States, and selected standard metropolitan statistical areas. (SMSA's are defined in the appendixes.)

The survey of Department of Defense-Owned and Operated Establishments Primarily Engaged in Manufacturing and Assembly, and/or Research and Development (Form MA-171) was conducted on an annual basis from 1965 through 1980. In 1981, the survey was discontinued on an annual basis and is collected only on a quinquennial basis as part of the economic censuses.

ECONOMIC CENSUSES OVER TIME

The early beginnings of America's industrial output were first measured in the United States in the 1810 Decennial Census and again in 1820, when questions on manufacturing were included with those for population. Beginning with the 1840 Decennial Census, there were enumerations of manufactures and mineral industries at 10-year intervals up to and including the year 1900 for manufactures and 1940 for mineral industries. The latter census was taken again for 1954, 1958, 1963, and 1967.

Because of the increasing dominance of manufacturing in the early 20th century, Congress directed that quinquennial censuses of manufactures be taken beginning in 1905. However, from 1919 through 1939, these censuses were conducted every

2 years. The need for war-related current surveys in the early 1940's postponed the next census of manufactures until 1948 (for 1947). That census was again taken for 1954, 1958, 1963, and 1967.

Retail and wholesale trade data were first collected in 1930, and in 1933 information on selected service industries was added to the data-collection operation. These business censuses, as they were called, were again taken for 1935, 1939 (as part of the 1940 decennial program), 1948, 1954, 1958, 1963, and 1967.

Information on construction industries was first obtained in 1930 and again for 1935 and 1939. Data for the full spectrum of construction industries were not gathered again until 1968 (for 1967).

The need for transportation data to supplement information available from existing governmental or private sources was recognized by Congress in the late 1950's and early 1960's. The census of transportation (consisting of several surveys) was first taken for 1963 and again for 1967.

Since 1967, all of the above censuses have been taken quinquennially as part of the Census Bureau's economic census program. (For the 1977 censuses, the coverage of the service industries was broadened from "selected services" to "all services, except religious and household." A total of 41 additional four-digit standard industrial classifications¹ (SIC's) in 7 SIC major groups were added to the scope of the census. While most of the industries included for the first time for 1977 were covered again for 1982, some were not, i.e., hospitals; elementary and secondary schools; colleges, universities, and professional schools; junior colleges and technical institutes; labor unions; and political organizations.)

The first manufacturing census for an outlying area was conducted in Puerto Rico for the year 1909. Thereafter, with the exception of 1929, a census was taken at 10-year intervals through 1949. The first censuses of retail trade, wholesale trade, and selected service industries in Puerto Rico were conducted for 1939. These censuses also were taken for the years 1949, 1954, 1958, 1963, and 1967. A census of construction industries was first introduced in Puerto Rico for 1967. These censuses of Puerto Rico have been taken since then for the years 1972, 1977, and 1982.

Censuses of manufactures, retail trade, wholesale trade, and selected service industries were conducted in Guam and the Virgin Islands of the United States for 1958, 1963, 1967, 1972, 1977, and 1982. Censuses of mineral industries were taken in the Virgin Islands of the United States for the years 1958, 1963, and 1967 but not since that time. A census of construction industries was also undertaken in these areas for 1972, 1977, and 1982.

Retail trade, wholesale trade, selected service industries, manufacturing, and construction industries were canvassed for the first time in the Northern Mariana Islands in 1983 (for 1982).

For 1982, the economic censuses and agriculture censuses were conducted concurrently.

¹ Based on the **Standard Industrial Classification Manual: 1972**. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, D. C. 20402. Stock No. 4104-0066. **1977 Supplement**. Stock No. 003-005-00176-0.

USES OF THE ECONOMIC CENSUSES

The economic censuses are the major source for facts about the structure and functioning of the Nation's economy and provide essential information for government, business, industry, and the general public. They provide an important part of the framework for such composite measures as the gross national product, input-output measures, indexes of industrial production, and indexes measuring productivity and price levels. Information from the censuses is used to establish sampling frames and as benchmarks for current surveys of business activity, which are essential for measuring short-term economic conditions.

State and local governments use census data to assess business activities within their jurisdictions. The private sector uses the data to forecast general economic conditions; analyze sales performance; lay out sales territories; allocate funds for advertising; decide on locations for new plants, warehouses, or stores; and measure potential markets in terms of size, geographic areas, kinds of business, and kinds of products made or sold.

Following every census, thousands of businesses and other users purchase reports. Likewise, census facts are widely disseminated by trade associations, business journals, and newspapers. Volumes containing census statistics are available in most major public and college libraries. All 1982 data are available on microfiche from the U.S. Government Printing Office and most data on computer tape from the Census Bureau. Finally, the more than 50 State Data Centers also are suppliers of economic census statistics.

AUTHORITY AND SCOPE OF THE ECONOMIC CENSUSES

The economic censuses are required by law under title 13 of the United States Code, sections 131, 191, and 224, which directs that they be taken at 5-year intervals for the years ending in 2 and 7. The 1982 Economic Censuses covered manufacturing, mining, construction industries, retail trade, wholesale trade, service industries, and selected transportation activities. Special programs also cover minority-owned and women-owned businesses. The next economic censuses are scheduled to be taken in 1988 for the year 1987.

DEPARTMENT OF DEFENSE FACILITIES

Findings

Total revenue at Department of Defense manufacturing facilities amounted to \$13.8 billion in 1982. In 1982, total employment was 251 thousand of which 144 thousand were production workers. The wages of all employees totaled \$6.9 billion and those of production workers \$3.8 billion.

Coverage

Data on Department of Defense manufacturing facilities shown in tables 1 through 4 were collected from 74 establishments. While these establishments may also be engaged in non-manufacturing activities at the same location, the statistics represent only their manufacturing activities. All installations producing goods or performing manufacturing services are included, such as industrial research and development and the conversion and modification of ships and aircraft by the Army, Navy, and Air Force. Activities of Defense Department installa-

tions primarily or exclusively serving their own installations are not included, such as bakeries and some machine shops. Also not included are all printing and publishing activities. Coverage of this activity is difficult because almost every large government installation engages in printing and publishing to some degree.

Explanation of Terms

"Wage board and graded" employees refers to those non-military personnel employed by Department of Defense-owned and operated establishments. "Costs" represents the cost of materials, supplies, and parts used; the cost of contract services; and other costs directly related to the manufacturing activities of the installation. "Cost of fuels consumed" represents the total cost of fuels consumed for heat, power, transportation, or the generation of electricity. "Cost of purchased electricity" represents the total cost of electric energy purchased or received by the installation. "Value of shipments for service" represents total billings (including progress billings) based on the Industrial Fund Accounting System of the Department of Defense, including receipts for construction and conversion, manufacture and assembly, and research and development. Unbilled costs of work in progress are reported separately. "Total revenue" represents total billings adjusted by the increase or decrease in the unbilled costs of work in progress. "Value added by manufacture" in tables 1 through 3 is represented two ways: as revenue less cost of materials and as revenue less cost of materials, contract service, and other costs.

FEDERAL, STATE, AND DISTRICT OF COLUMBIA PENITENTIARIES

During 1982, manufactured products valued at \$470.0 million were produced at penitentiaries in the United States, of which \$161.0 million worth was produced at Federal penitentiaries. Data collected on manufacturing in penal institutions are shown in tables 5 and 6. These data include the value of products manufactured for use within the institutions or products produced and transferred to other government agencies. Table 5 shows 1982, 1977, and 1972 production data by product group, and table 6 shows total production data by States and products.

OTHER U.S. GOVERNMENT FACILITIES

The Bureau of Mines of the Department of the Interior produces refined helium for Federal agencies. During 1982, it operated two plants from which 305.1 million cubic feet of helium valued at \$11.4 million were shipped. The average number of employees during the year totaled 225 of which 115 were production and related workers. The total wages and salaries it paid amounted to approximately \$7.7 million. Comparable data for other years, as well as additional details on production, shipments, consumption, prices, reserves, and activities appear in the Bureau of Mines' "Minerals Yearbook for 1982."

No data are shown in this report on the production activities of other Government manufacturing facilities. Other Government agencies which have manufacturing activities include the U.S. Government Printing Office, the National Aeronautic and Space Administration, and the Tennessee Valley Authority. The operations of these agencies are covered in their annual reports. Others not covered are the minor manufacturing activities of the Post Office Department and the General Services Administration.

ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

— Represents zero.
(NA) Not available.

(Z) Less than half the unit shown.
n.e.c. Not elsewhere classified.
n.s.k. Not specified by kind.
r Revised.
SIC Standard Industrial Classification.
SMSA Standard Metropolitan Statistical Area.

Table 1. Department of Defense Manufacturing Facilities by Selected Industry Group: 1982

[Data were not collected for 1981. Details may not add to totals due to rounding. For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry group	All employees (wage board and graded)		Production workers (wage board)			Costs	
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Materials, supplies, and parts consumed (million dollars)	Contract services and other costs (million dollars)
	1982							
	United States -----	251.3	6 853.2	143.8	588.8	3 844.3	3 184.9	4 225.0
23	Apparel and other textile products-----	1.4	22.3	1.3	2.1	19.9	3.1	3.4
28	Chemicals and allied products-----	3.3	87.3	1.3	2.3	33.5	26.4	30.9
281	Industrial inorganic chemicals-----	.3	8.8	.1	.2	3.5	2.9	2.2
286	Industrial organic chemicals-----	2.0	55.6	.8	1.3	20.4	14.6	19.9
289	Miscellaneous chemical products-----	1.0	22.9	.4	.8	9.7	9.0	8.8
348	Ordnance and accessories-----	22.4	601.1	11.0	20.3	277.5	236.1	291.0
366	Communication equipment-----	17.4	453.8	6.2	12.1	156.4	131.1	175.2
37	Transportation equipment-----	176.8	4 849.8	117.8	226.2	3 220.7	2 490.7	2 429.2
372	Aircraft and parts-----	77.6	2 082.0	52.1	109.7	1 383.0	1 750.5	1 967.5
373	Ship and boat building and repairing-----	78.0	2 197.9	58.4	102.9	1 671.6	560.6	229.9
376	Guided missiles, space vehicles, and parts-----	19.1	525.8	5.6	10.5	129.9	155.7	230.4
379	Miscellaneous transportation equipment-----	2.1	44.1	1.7	3.1	36.3	23.9	1.4
—	Research and development-----	30.1	839.0	6.2	325.8	136.3	297.5	1 295.3
	1980							
	United States -----	235.6	5 473.0	134.7	249.1	3 012.6	2 269.0	3 563.6
23	Apparel and other textile products-----	1.4	21.0	1.3	2.1	19.0	2.2	2.0
28	Chemicals and allied products-----	3.2	70.6	1.3	2.5	28.3	31.4	38.4
281	Industrial inorganic chemicals-----	.3	8.1	.1	.2	2.7	1.5	3.4
286	Industrial organic chemicals-----	2.0	42.9	.7	1.6	16.3	22.7	28.9
289	Miscellaneous chemical products-----	.9	19.6	.4	.8	9.3	7.3	6.0
348	Ordnance and accessories-----	25.7	601.0	12.6	26.7	280.9	197.4	351.4
366	Communication equipment-----	14.2	362.1	5.0	9.0	111.7	92.6	164.3
37	Transportation equipment-----	140.3	3 170.6	93.1	170.6	2 071.6	1 384.0	1 448.1
372	Aircraft and parts-----	49.3	1 114.5	32.6	60.5	732.9	798.9	571.3
373	Ship and boat building and repairing-----	70.2	1 548.0	53.2	96.5	1 187.8	429.2	595.9
376	Guided missiles, space vehicles, and parts-----	19.0	470.5	5.8	11.0	120.5	138.4	267.5
379	Miscellaneous transportation equipment-----	1.8	37.5	1.5	2.5	30.4	17.5	13.4
—	Research and development-----	50.7	1 247.7	21.4	38.2	501.1	561.4	1 559.4
	1979							
	United States -----	240.4	5 171.9	137.1	251.6	2 818.2	1 927.2	3 042.7
23	Apparel and other textile products-----	1.4	19.2	1.3	2.1	17.4	1.9	1.5
28	Chemicals and allied products-----	3.2	66.6	1.3	2.6	27.6	30.8	34.4
281	Industrial inorganic chemicals-----	.3	7.5	.1	.2	2.1	1.0	3.8
286	Industrial organic chemicals-----	2.0	40.4	.8	1.6	16.1	23.0	26.4
289	Miscellaneous chemical products-----	.9	18.7	.4	.8	9.4	6.8	4.2
348	Ordnance and accessories-----	29.2	611.7	14.0	27.6	280.7	188.8	305.0
366	Communication equipment-----	14.5	335.5	5.2	9.3	106.4	85.4	137.9
37	Transportation equipment-----	140.0	2 932.5	93.5	171.5	1 922.4	1 161.8	1 254.4
372	Aircraft and parts-----	50.3	1 066.9	33.4	62.4	705.8	643.5	538.4
373	Ship and boat building and repairing-----	69.1	1 398.0	52.6	95.3	1 076.4	383.4	471.6
376	Guided missiles, space vehicles, and parts-----	18.8	435.3	6.0	11.2	114.0	119.7	230.0
379	Miscellaneous transportation equipment-----	1.9	32.3	1.5	2.6	26.2	15.2	14.4
—	Research and development-----	52.1	1 206.4	21.9	38.5	463.7	458.6	1 309.5
	1978							
	United States -----	240.3	4 775.4	140.4	253.9	2 706.8	1 803.9	2 634.4
23	Apparel and other textile products-----	1.4	17.9	1.3	2.1	16.2	1.6	1.5
28	Chemicals and allied products-----	3.3	63.5	1.4	2.7	26.8	30.3	31.4
281	Industrial inorganic chemicals-----	.4	7.8	.1	.2	2.0	1.0	2.9
286	Industrial organic chemicals-----	2.0	38.0	.8	1.7	15.7	25.4	24.4
289	Miscellaneous chemical products-----	1.0	17.7	.5	.9	9.1	3.9	4.2
348	Ordnance and accessories-----	29.8	603.2	14.3	28.3	279.2	186.8	270.5
366	Communication equipment-----	14.5	293.1	5.3	9.6	103.1	76.6	130.2
37	Transportation equipment-----	137.1	2 653.2	95.2	170.5	1 831.0	1 085.6	971.1
372	Aircraft and parts-----	52.7	1 035.3	35.5	63.5	696.4	622.3	525.7
373	Ship and boat building and repairing-----	68.6	1 305.4	52.5	93.9	1 009.2	348.1	277.7
376	Guided missiles, space vehicles, and parts-----	13.9	279.5	5.7	10.6	98.5	102.3	157.0
379	Miscellaneous transportation equipment-----	1.9	33.0	1.5	2.6	26.9	12.9	10.8
—	Research and development-----	54.1	1 144.5	22.9	40.7	450.5	423.0	1 229.6

and Earlier Years

Value of shipments or receipts for service by type of activity						Value added by manufacture		SIC code
Manufacture and assembly (million dollars)	Construction and conversion (million dollars)	Research and development (million dollars)	Other receipts (million dollars)	Total billings (million dollars)	Total revenue (million dollars)	Total revenue less cost of materials (million dollars)	Revenue less cost of materials, contract services, other costs (million dollars)	
524.9	125.1	3 737.1	9 431.8	13 818.9	13 834.2	10 649.3	6 424.3	
26.7	-	(Z)	(Z)	26.7	39.6	36.5	33.2	23
49.8	-	6.3	95.7	151.7	158.1	131.6	100.7	28
.3	-	-	13.5	13.8	14.3	11.5	9.2	281
34.1	-	6.2	58.7	98.9	103.3	88.7	68.8	286
15.4	-	.1	23.5	39.0	40.4	31.5	22.7	289
259.7	12.4	394.3	598.5	1 264.9	1 259.5	1 023.3	732.3	348
125.0	.1	268.9	385.2	779.2	778.5	647.5	472.3	366
60.7	102.6	1 315.0	7 826.9	9 305.2	9 276.3	6 785.6	4 356.3	37
46.2	3.6	869.1	4 897.3	5 818.1	5 819.1	4 068.6	2 101.2	372
4.2	85.0	37.0	2 113.2	2 239.4	2 203.0	1 642.4	1 412.4	373
10.2	13.6	408.9	729.5	1 162.0	1 166.5	1 010.8	780.4	376
.2	.5	-	87.0	87.7	87.7	63.8	62.3	379
3.1	10.1	1 752.7	525.5	2 291.3	2 322.3	2 024.8	729.5	--
417.9	182.2	3 134.9	6 097.9	10 416.0	11 258.0	8 989.1	5 425.4	
23.8	-	(Z)	.2	24.1	23.4	21.2	19.2	23
50.1	-	5.1	90.6	145.8	140.4	109.0	70.6	28
.2	-	.5	12.0	12.7	13.0	11.5	8.1	281
32.4	-	4.6	62.4	99.3	93.6	70.9	42.0	286
17.4	-	(Z)	16.3	33.7	33.7	26.4	20.4	289
166.8	7.2	299.4	610.7	1 084.1	1 156.8	959.4	608.0	348
102.1	.2	205.8	339.5	647.6	642.1	549.5	385.2	366
70.5	162.0	749.1	4 313.1	5 294.7	6 052.2	4 668.3	3 220.1	37
56.5	-	368.1	1 978.9	2 403.5	2 463.3	1 664.5	1 093.1	372
3.1	152.9	35.3	1 731.4	1 922.7	2 617.0	2 187.8	1 591.9	373
10.8	7.9	345.7	535.7	900.1	903.5	765.1	497.6	376
.1	1.2	-	67.1	68.4	68.4	50.9	37.5	379
4.6	12.8	1 875.5	743.8	3 219.7	3 243.1	2 681.7	1 122.3	--
423.8	103.7	2 936.3	6 087.5	9 551.2	9 860.4	7 933.2	4 890.5	
22.0	-	.4	.1	22.6	23.7	21.8	20.3	23
47.0	-	4.9	82.3	134.2	133.8	103.0	68.6	28
.2	-	1.0	10.2	11.4	11.6	10.6	6.8	281
29.5	-	3.9	58.8	92.2	90.7	67.7	41.3	286
17.3	-	(Z)	13.3	30.6	31.5	24.7	20.5	289
193.8	5.8	299.9	576.1	1 075.5	1 103.7	914.9	609.9	348
86.3	.3	220.2	247.0	553.6	563.9	478.5	340.6	366
70.2	88.7	723.6	4 082.0	4 964.5	5 221.3	4 059.5	2 805.1	37
56.1	3.8	362.9	1 663.6	2 086.3	2 108.7	1 465.3	926.8	372
3.3	71.6	46.1	1 889.0	2 010.0	2 245.6	1 862.2	1 390.6	373
9.9	12.9	314.5	468.9	806.3	805.0	685.3	455.3	376
.9	.4	-	60.5	61.9	61.9	46.7	32.3	379
4.5	8.9	1 678.3	1 100.0	2 800.7	2 814.1	2 355.5	1 046.0	--
407.9	86.0	2 692.8	5 921.7	9 108.4	9 140.6	7 336.8	4 702.4	
21.8	-	(Z)	(Z)	21.8	21.5	19.9	18.4	23
40.9	-	6.5	82.2	129.6	126.2	95.9	64.4	28
.3	-	.9	10.5	11.7	10.7	10.7	7.7	281
29.2	-	5.6	56.7	91.4	88.4	63.0	38.6	286
11.5	-	-	15.0	26.5	26.2	22.3	18.1	289
196.0	1.6	318.2	569.9	1 085.7	1 078.4	891.6	621.1	348
90.0	.5	163.8	238.7	492.9	504.0	427.4	297.2	366
55.3	79.4	657.8	3 962.6	4 755.2	4 782.9	3 697.3	2 726.2	37
45.9	.9	325.1	1 741.8	2 113.8	2 209.3	1 587.1	1 061.4	372
1.4	60.6	27.1	1 911.4	2 000.5	1 925.6	1 577.5	1 299.8	373
7.2	17.5	305.6	253.7	584.1	591.3	489.0	332.0	376
.7	.3	-	55.6	56.7	56.7	43.8	33.2	379
3.9	4.5	1 546.5	1 068.3	2 623.2	2 627.2	2 204.7	975.1	--

Table 1. Department of Defense Manufacturing Facilities by Selected Industry Group: 1982

[Data were not collected for 1981. Details may not add to totals due to rounding. For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry group	All employees (wage board and graded)		Production workers (wage board)			Costs	
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Materials, supplies, and parts consumed (million dollars)	Contract services and other costs (million dollars)
	1977							
	United States -----	234.2	4 382.2	139.1	256.9	2 468.7	1 639.0	2 526.2
23	Apparel and other textile products -----	1.4	17.2	1.3	2.1	15.5	1.7	1.6
28	Chemicals and allied products -----	3.4	62.0	1.4	2.9	26.1	24.6	36.5
281	Industrial inorganic chemicals -----	.5	10.1	.2	.4	3.6	1.8	3.0
286	Industrial organic chemicals -----	2.0	35.7	.8	1.6	13.8	19.1	27.7
289	Miscellaneous chemical products -----	1.0	16.1	.5	.9	8.7	3.7	5.8
348	Ordnance and accessories -----	30.9	561.2	14.8	34.0	249.3	146.4	287.8
366	Communication equipment -----	12.6	272.5	4.8	8.8	95.7	63.1	207.9
37	Transportation equipment -----	130.2	2 372.9	91.9	164.9	1 629.3	970.2	912.7
372	Aircraft and parts -----	48.8	903.1	34.4	61.2	613.2	568.9	513.2
373	Ship and boat building and repairing -----	66.0	1 170.4	50.4	90.8	901.0	301.7	239.2
376	Guided missiles, space vehicles, and parts -----	13.6	271.0	5.6	10.4	91.8	91.3	150.0
379	Miscellaneous transportation equipment -----	1.8	28.4	1.5	2.5	23.3	8.3	10.3
--	Research and development -----	52.9	1 051.6	23.1	40.9	426.6	384.6	1 073.0
	1976							
	United States -----	239.7	4 200.3	138.4	249.9	2 270.8	1 562.9	2 364.9
23	Apparel and other textile products -----	1.5	16.8	1.4	2.3	15.2	1.6	1.5
28	Chemicals and allied products -----	5.5	99.8	1.7	3.3	29.1	30.6	62.5
281	Industrial inorganic chemicals -----	3.5	66.7	1.0	1.8	16.9	14.9	42.6
286	Industrial organic chemicals -----	1.1	18.4	.2	.7	4.3	7.9	16.4
289	Miscellaneous chemical products -----	.9	14.7	.5	.8	7.9	7.5	3.5
348	Ordnance and accessories -----	30.6	529.6	14.6	28.5	238.9	147.2	244.6
366	Communication equipment -----	15.5	292.6	6.0	10.5	97.8	75.7	89.6
37	Transportation equipment -----	132.9	2 255.3	90.0	161.9	1 473.6	933.0	979.4
372	Aircraft and parts -----	49.6	831.9	34.8	62.6	561.0	469.3	618.5
373	Ship and boat building and repairing -----	64.0	1 071.3	48.5	87.4	814.8	371.1	196.4
376	Guided missiles, space vehicles, and parts -----	17.1	327.0	5.1	9.2	77.0	84.7	156.7
379	Miscellaneous transportation equipment -----	1.9	25.1	1.6	2.7	20.8	7.9	7.9
--	Research and development -----	51.1	960.9	23.0	40.6	391.8	342.9	983.0
	1975							
	United States -----	250.1	4 007.8	146.7	265.4	2 162.4	1 506.2	2 230.8
23	Apparel and other textile products -----	1.6	16.4	1.5	2.4	15.0	1.6	1.3
28	Chemicals and allied products -----	5.7	97.5	1.9	3.6	27.1	33.1	69.3
281	Industrial inorganic chemicals -----	1.9	38.0	.2	.3	2.8	4.9	35.0
286	Industrial organic chemicals -----	2.9	45.1	1.2	2.3	16.4	20.8	31.5
289	Miscellaneous chemical products -----	.9	14.4	.5	1.0	7.9	7.4	2.8
348	Ordnance and accessories -----	34.6	555.7	17.5	33.8	254.5	205.2	228.4
366	Communication equipment -----	16.8	295.8	6.5	11.5	99.9	77.1	101.2
37	Transportation equipment -----	136.1	2 104.6	93.6	168.4	1 373.3	817.8	900.0
372	Aircraft and parts -----	53.6	795.7	38.6	69.0	541.9	437.7	555.7
373	Ship and boat building and repairing -----	63.1	972.6	47.9	86.8	731.5	266.5	175.2
376	Guided missiles, space vehicles, and parts -----	17.2	309.4	5.3	9.6	76.9	104.8	161.6
379	Miscellaneous transportation equipment -----	2.1	26.9	1.8	3.0	22.9	8.8	7.5
--	Research and development -----	55.3	937.8	25.7	45.7	392.8	371.4	930.6
	1974							
	United States -----	258.0	3 782.0	152.0	270.4	2 011.6	1 357.8	1 898.7
23	Apparel and other textile products -----	1.7	14.9	1.5	2.8	13.5	1.4	1.1
28	Chemicals and allied products -----	5.8	93.9	2.1	3.6	28.2	29.0	46.5
281	Industrial inorganic chemicals -----	2.0	36.6	.2	.4	2.6	3.1	22.9
286	Industrial organic chemicals -----	2.7	43.2	1.3	2.1	18.0	20.6	20.7
289	Miscellaneous chemical products -----	1.1	14.1	.6	1.1	7.6	5.3	2.9
348	Ordnance and accessories -----	36.4	547.3	18.7	34.4	253.8	183.2	220.3
366	Communication equipment -----	17.7	289.0	7.0	12.0	93.7	61.6	89.8
37	Transportation equipment -----	139.4	1 951.3	96.2	170.5	1 262.5	781.9	651.3
372	Aircraft and parts -----	57.8	784.5	41.9	74.4	542.6	489.8	374.4
373	Ship and boat building and repairing -----	62.0	848.9	47.2	83.6	630.0	211.5	132.3
376	Guided missiles, space vehicles, and parts -----	17.5	291.5	5.3	9.5	67.8	72.5	133.2
379	Miscellaneous transportation equipment -----	2.1	26.4	1.8	3.0	22.1	8.1	11.4
--	Research and development -----	56.9	885.7	26.5	46.9	360.0	300.7	889.8

and Earlier Years—Con.

Value of shipments or receipts for service by type of activity						Value added by manufacture		SIC code
Manufacture and assembly (million dollars)	Construction and conversion (million dollars)	Research and development (million dollars)	Other receipts (million dollars)	Total billings (million dollars)	Total revenue (million dollars)	Total revenue less cost of materials (million dollars)	Revenue less cost of materials, contract services, other costs (million dollars)	
463.6	151.7	2 335.2	5 100.6	8 051.1	8 325.5	6 686.7	4 160.5	
19.2	-	-	-	19.2	21.3	19.6	17.9	23
40.7	-	6.5	80.7	127.9	128.0	103.4	66.9	28
.3	-	.5	14.1	14.9	14.9	13.1	10.2	281
29.5	-	6.0	51.4	86.9	87.0	67.9	40.2	286
10.9	-	-	15.2	26.1	26.0	22.3	16.5	289
165.2	8.4	346.2	544.7	1 064.6	1 045.4	899.0	611.3	348
96.7	-	121.5	334.8	553.0	549.8	486.6	278.7	366
57.9	141.2	521.9	3 172.9	3 894.0	4 305.3	3 335.1	2 422.4	37
47.7	8.6	182.4	1 606.8	1 845.6	1 917.4	1 348.6	835.4	372
4.4	109.4	39.0	1 320.2	1 472.9	1 814.6	1 512.9	1 273.7	373
5.6	18.2	300.5	204.3	528.6	526.3	434.9	285.0	376
.2	5.1	-	41.6	46.9	46.9	38.7	28.4	379
10.7	2.0	1 334.0	948.0	2 294.6	2 170.8	1 786.1	713.2	--
409.3	304.7	2 511.6	4 781.7	8 007.3	7 951.2	6 388.3	4 023.4	
20.6	-	-	-	20.7	19.9	18.3	16.8	23
31.8	-	47.4	114.7	193.9	197.8	167.2	104.7	28
14.2	-	42.8	67.3	124.3	124.6	109.7	67.1	281
4.9	-	4.6	34.9	44.4	47.7	39.5	23.1	286
12.7	-	-	12.5	25.2	25.5	18.0	14.5	289
117.4	17.8	336.8	495.5	967.5	951.7	804.4	559.8	348
101.7	.6	157.6	213.1	473.0	457.9	382.2	292.6	366
61.7	284.3	583.4	3 199.7	4 128.0	4 103.0	3 170.0	2 190.6	37
49.1	10.3	273.8	1 482.7	1 815.8	1 802.2	1 332.9	714.4	372
8.0	268.7	34.0	1 368.7	1 679.3	1 668.7	1 297.7	1 101.3	373
4.5	4.2	275.6	307.7	592.0	591.1	506.4	349.8	376
.2	1.1	-	39.7	40.9	40.9	33.0	25.1	379
9.5	2.0	1 380.7	746.1	2 138.2	2 139.2	1 796.3	813.3	--
406.5	69.4	2 563.1	4 448.1	7 487.1	7 778.6	6 272.4	4 041.6	
18.2	-	.1	.1	18.4	18.9	17.4	16.1	23
36.6	-	40.4	127.9	204.8	201.4	168.3	99.0	28
4.3	-	35.6	38.7	78.6	78.7	73.8	38.8	281
17.9	-	4.8	77.9	100.5	97.7	77.0	45.4	286
14.4	-	-	11.3	25.7	25.0	17.5	14.8	289
169.3	8.5	329.0	488.9	995.8	1 107.2	802.0	573.5	348
93.2	(Z)	160.2	211.8	465.2	478.8	401.7	300.5	366
75.7	59.9	662.1	2 892.9	3 690.4	3 954.3	3 136.5	2 236.5	37
63.7	10.8	327.1	1 359.4	1 761.0	1 780.1	1 342.4	786.6	372
5.3	46.3	29.6	1 214.3	1 295.4	1 540.1	1 273.6	1 098.4	373
6.5	2.5	305.4	276.5	590.8	590.9	486.1	324.5	376
.2	.3	-	42.7	43.2	43.2	34.4	26.9	379
13.6	1.0	1 371.3	726.6	2 112.6	2 118.0	1 746.6	816.0	--
358.3	152.5	2 521.7	1 038.9	4 063.0	7 159.8	5 783.2	3 865.7	
17.5	-	-	-	17.6	17.7	16.3	15.2	23
40.3	-	40.9	79.1	173.9	171.1	142.1	95.7	28
2.6	-	31.1	29.1	62.8	62.8	59.7	36.8	281
25.7	-	9.8	39.7	88.8	85.9	65.3	44.7	286
12.0	-	-	10.3	22.3	22.4	17.1	14.2	289
170.3	-	309.6	313.9	735.9	952.1	768.9	548.5	348
87.7	-	140.5	114.2	364.1	443.5	381.9	292.1	366
37.3	149.1	638.6	431.7	2 778.2	3 512.1	2 713.8	2 044.8	37
26.8	10.3	337.0	93.0	1 311.9	1 671.6	1 175.9	792.1	372
2.2	137.8	31.5	179.4	1 127.3	1 296.4	1 074.3	933.6	373
5.5	-	270.0	159.2	293.2	498.3	425.9	292.7	376
2.8	1.0	-	-	45.9	45.9	37.8	26.4	379
5.2	3.3	1 392.1	100.0	893.4	2 063.3	1 760.1	869.4	--

Table 1. Department of Defense Manufacturing Facilities by Selected Industry Group: 1982

[Data were not collected for 1981. Details may not add to totals due to rounding. For meaning of abbreviations and symbols, see introductory text]

SIC code	Industry group	All employees (wage board and graded)		Production workers (wage board)			Costs	
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Materials, supplies, and parts consumed (million dollars)	Contract services and other costs (million dollars)
	1973							
	United States	276.3	3 718.5	165.0	290.0	1 948.0	1 200.1	1 770.0
23	Apparel and other textile products	1.6	13.4	1.5	2.7	12.1	1.8	1.0
28	Chemicals and allied products	6.0	89.5	2.4	4.1	29.1	29.2	40.1
281	Industrial inorganic chemicals	4.4	68.9	1.5	2.5	18.8	21.8	32.1
289	Miscellaneous chemical products	1.6	20.6	.9	1.6	10.2	7.4	7.9
348	Ordnance and accessories	41.1	565.5	22.5	42.8	273.4	181.3	226.1
366	Communication equipment	22.0	321.3	9.3	16.4	112.6	62.7	93.6
37	Transportation equipment	147.5	1 869.7	102.3	175.9	1 189.3	647.6	612.6
372	Aircraft and parts	60.2	765.0	43.9	78.5	524.9	365.3	321.5
373	Ship and boat building and repairing	68.3	806.0	51.6	85.2	584.4	215.3	158.4
376	Guided missiles, space vehicles, and parts	17.0	274.7	5.3	9.4	60.4	59.1	121.1
379	Miscellaneous transportation equipment	2.0	24.0	1.6	2.8	19.6	7.9	11.6
—	Research and development	58.1	859.1	27.0	48.1	331.5	277.5	796.6

and Earlier Years—Con.

Value of shipments or receipts for service by type of activity						Value added by manufacture		SIC code
Manufacture and assembly (million dollars)	Construction and conversion (million dollars)	Research and development (million dollars)	Other receipts (million dollars)	Total billings (million dollars)	Total revenue (million dollars)	Total revenue less cost of materials (million dollars)	Revenue less cost of materials, contract services, other costs (million dollars)	
388.6	379.0	2 506.8	3 464.2	6 738.8	6 740.2	5 540.0	3 770.2	
15.9	-	-	-	15.9	16.0	14.2	13.3	23
37.1	-	38.7	78.2	154.0	158.7	129.4	89.3	28
24.5	-	38.7	55.0	118.2	122.6	100.8	68.6	281
12.6	-	-	23.2	35.8	36.1	28.6	20.7	289
203.1	.2	305.1	454.8	963.2	956.8	775.5	549.4	348
87.6	.8	151.0	220.7	460.1	463.3	400.6	307.0	366
38.9	374.8	631.1	2 150.9	3 195.8	3 198.6	2 551.0	1 938.5	37
23.2	21.0	340.4	1 074.9	1 459.6	1 428.7	1 063.4	741.8	372
3.3	353.0	45.1	843.8	1 245.2	1 273.1	1 057.8	899.4	373
7.8	-	245.6	194.1	447.6	453.4	394.3	273.3	376
4.6	.8	-	38.1	43.4	43.4	35.5	24.0	379
6.0	3.2	1 380.9	559.6	1 949.8	1 946.8	1 669.3	872.7	--

Table 2. Department of Defense Manufacturing Facilities by Selected State and Standard

[Detail may not add to totals due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix]

	Geographic area	All employees (wage board and graded)		Production workers (wage board)			Costs	
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Materials, supplies, and parts consumed (million dollars)	Contract services and other costs (million dollars)
1	United States -----	251.3	6 853.2	143.8	588.8	3 844.3	3 184.9	4 225.0
2	Alabama -----	11.9	314.4	3.4	6.6	74.2	98.3	28.8
3	Huntsville SMSA -----	8.8	241.5	.6	1.0	11.3	24.8	16.4
4	Arkansas -----	1.0	22.9	.4	.8	9.7	9.0	8.8
5	California -----	52.4	1 545.6	30.8	61.0	909.0	642.2	885.5
6	Bakersfield SMSA -----	6.9	201.3	1.4	2.7	40.0	69.5	275.8
7	Los Angeles-Long Beach SMSA -----	7.5	206.7	5.9	9.9	167.3	74.8	22.2
8	Oxnard-Simi Valley-Ventura SMSA -----	4.1	126.6	.8	2.1	27.1	45.4	184.8
9	Sacramento SMSA -----	9.1	252.5	6.8	13.9	180.2	188.6	85.5
10	San Diego SMSA -----	8.4	256.3	4.2	9.3	112.2	105.3	241.3
11	San Francisco-Oakland SMSA -----	5.0	153.9	3.5	8.1	115.1	100.8	51.4
12	Vallejo-Fairfield-Napa SMSA -----	10.8	332.8	7.9	14.4	259.3	55.9	13.7
13	Colorado -----	.5	12.3	.2	.4	6.4	5.4	2.3
14	Colorado Springs SMSA -----	(Z)	.2	-	-	-	.8	-
15	Denver-Boulder SMSA -----	.3	8.8	.1	.2	3.5	2.9	2.2
16	Pueblo SMSA -----	.1	3.3	.1	.2	2.9	1.8	(Z)
17	District of Columbia -----	3.5	114.2	.5	1.0	13.3	45.7	121.6
18	Washington, D.C.-Md.-Va., SMSA -----	5.8	177.2	1.4	316.6	38.9	52.9	120.6
19	Florida -----	11.6	249.1	6.1	14.1	147.9	212.5	165.3
20	Jacksonville SMSA -----	3.1	87.5	2.1	4.9	55.6	72.4	26.1
21	Pensacola SMSA -----	3.9	105.0	2.8	6.8	82.8	72.0	38.7
22	Georgia -----	6.7	189.7	5.3	11.2	154.0	178.9	299.6
23	Hawaii -----	7.2	230.4	5.5	9.7	174.2	47.6	15.3
24	Illinois -----	1.7	47.6	.7	1.3	19.3	21.9	3.5
25	Indiana -----	6.4	175.9	2.6	5.5	70.9	85.5	60.3
26	Indianapolis SMSA -----	2.4	73.4	1.0	2.4	29.5	55.8	27.7
27	Kentucky -----	2.5	66.6	1.7	2.9	44.9	34.1	8.5
28	Maryland -----	7.9	234.2	2.0	317.9	54.0	103.7	193.1
29	Massachusetts -----	2.2	65.3	.3	.5	6.6	8.9	90.9
30	Boston SMSA -----	2.2	65.3	.3	.5	6.6	8.9	90.9
31	Mississippi -----	.3	8.1	-	-	-	2.3	31.1
32	New Hampshire -----	8.8	220.8	6.0	10.9	150.2	42.1	38.5
33	New Jersey -----	11.8	318.4	2.0	4.3	56.3	50.0	192.2
34	Long Branch-Asbury Park SMSA -----	.8	1.8	.4	.7	9.9	2.0	3.0
35	Newark SMSA -----	8.5	228.3	.8	1.7	24.7	32.8	105.7
36	Trenton SMSA -----	.6	17.6	.3	.6	7.5	3.5	20.4
37	New Mexico -----	.6	16.0	.1	.1	1.1	6.6	103.6
38	New York -----	3.2	76.3	1.4	2.7	29.3	39.1	24.5
39	Albany-Schenectady-Troy SMSA -----	2.2	45.7	1.4	2.7	28.8	37.9	17.6
40	Utica-Rome SMSA -----	1.0	30.7	(Z)	(Z)	.5	1.1	7.0
41	North Carolina -----	3.1	81.4	2.3	5.1	61.0	96.0	20.9
42	Ohio -----	4.2	118.3	1.2	2.4	30.0	37.0	27.9
43	Dayton SMSA -----	2.6	76.8	.1	.2	2.7	13.1	26.7
44	Oklahoma -----	9.5	237.9	7.4	12.8	186.2	222.5	346.3
45	Oklahoma City SMSA -----	8.6	216.3	6.8	11.6	171.2	217.1	341.1
46	Pennsylvania -----	21.1	534.2	14.9	25.8	367.0	162.9	235.2
47	Northeast Pennsylvania SMSA -----	3.9	84.5	2.7	4.8	57.8	23.0	17.6
48	Philadelphia, Pa.-N.J., SMSA -----	16.4	449.0	10.5	18.7	277.6	125.8	268.6
49	York SMSA -----	.4	11.5	.4	.7	10.3	6.7	4.7
50	Rhode Island -----	2.8	98.4	.2	.4	5.9	28.6	269.7
51	South Carolina -----	8.2	226.0	6.1	10.6	169.9	52.1	24.2
52	Tennessee -----	.2	5.7	-	-	-	12.2	172.9
53	Texas -----	14.4	354.7	10.8	22.8	263.7	406.6	307.8
54	San Antonio SMSA -----	8.5	202.8	6.2	13.9	145.3	254.8	299.6
55	Texarkana, Tex.-Texarkana, Ark., SMSA -----	2.5	57.8	2.2	3.9	50.7	49.6	4.1
56	Utah -----	9.0	201.8	6.9	12.2	154.8	169.9	229.8
57	Virginia -----	24.2	648.6	15.1	28.7	378.3	239.2	286.8
58	Newport News-Hampton SMSA -----	1.7	45.7	1.0	1.6	21.7	10.3	6.9
59	Norfolk-Virginia Beach-Portsmouth, Va.-N.C., SMSA -----	17.6	447.0	13.4	25.4	331.3	212.8	80.0
60	Washington -----	14.8	438.6	10.0	17.5	306.2	124.4	30.1

Metropolitan Statistical Area: 1982

Value of shipments or receipts for service by type of activity						Value added by manufacture		
Manufacture and assembly (million dollars)	Construction and conversion (million dollars)	Research and development (million dollars)	Other receipts (million dollars)	Total billings (million dollars)	Total revenue (million dollars)	Total revenue less cost of materials (million dollars)	Revenue less cost of materials, contract services, other costs (million dollars)	
524.9	125.1	3 737.1	9 431.8	13 818.9	13 834.2	10 649.3	6 424.3	1
6.0	13.6	83.7	558.2	661.5	666.2	567.8	539.1	2
-	-	83.7	312.5	396.2	396.2	371.4	355.0	3
15.4	-	.1	23.5	39.0	40.4	31.5	22.7	4
39.9	40.1	850.9	1 706.9	2 637.9	2 624.6	1 982.4	1 096.9	5
-	-	359.4	63.8	423.2	422.8	353.3	77.6	6
-	36.9	.9	221.0	258.8	251.2	176.4	154.2	7
-	-	213.8	147.2	361.0	358.9	313.5	128.7	8
15.6	-	-	500.9	518.5	515.8	327.2	241.8	9
16.4	-	250.3	286.5	553.2	580.0	474.7	233.4	10
7.4	3.1	-	306.6	317.0	284.1	183.3	132.0	11
.6	.1	26.5	153.7	180.9	184.6	128.7	115.1	12
.3	-	1.0	22.9	24.2	24.8	19.4	17.1	13
-	-	1.0	-	1.0	1.0	.2	.2	14
.3	-	-	13.5	13.8	14.4	11.5	9.3	15
(Z)	-	-	9.4	9.4	9.4	7.7	7.6	16
-	-	277.3	6.7	284.0	292.4	246.8	125.2	17
34.1	-	248.9	76.5	359.6	377.2	324.3	203.6	18
8.1	-	123.7	340.7	472.4	495.8	283.3	118.0	19
4.9	-	-	143.0	147.8	168.5	96.1	70.0	20
3.2	-	-	186.2	189.5	191.2	119.2	80.5	21
-	-	-	673.4	673.4	673.4	494.5	194.9	22
-	4.6	.2	213.7	218.6	208.0	160.5	145.2	23
73.0	-	-	-	73.0	73.0	51.1	47.6	24
99.1	.3	33.8	240.8	374.0	373.9	288.4	228.1	25
78.2	-	20.9	63.8	162.8	160.2	104.4	76.7	26
22.6	-	.2	97.7	120.4	120.9	86.8	78.3	27
34.1	-	331.8	172.5	538.4	555.3	451.6	258.5	28
2.1	-	109.8	5.5	117.4	117.4	108.5	17.6	29
2.1	-	109.8	5.5	117.4	117.4	108.5	17.6	30
-	-	41.5	-	41.5	41.5	39.2	8.1	31
.3	-	(Z)	244.3	244.6	249.4	207.3	168.8	32
7.6	-	258.5	318.1	584.2	581.1	531.1	338.9	33
1.1	-	1.0	35.1	37.2	37.2	35.3	32.3	34
.7	-	224.1	150.0	374.8	373.2	340.4	234.7	35
-	-	24.0	16.5	40.5	41.5	38.0	17.6	36
-	-	199.7	-	199.7	199.7	193.1	89.5	37
73.3	-	.3	68.9	142.5	138.6	99.5	75.0	38
73.3	-	.3	30.1	103.7	99.8	61.9	44.3	39
-	-	-	38.8	38.8	38.8	37.6	30.7	40
1.2	-	7.0	172.4	180.6	192.6	96.6	75.6	41
-	-	467.5	74.6	542.1	522.1	485.1	457.2	42
-	-	467.5	8.9	476.4	456.4	443.3	416.6	43
9.2	-	-	798.3	807.5	807.5	585.0	238.7	44
-	-	-	772.6	772.6	772.6	565.5	224.3	45
59.8	49.4	242.5	379.8	731.5	749.9	587.0	351.8	46
30.5	.1	-	94.6	125.1	128.3	105.3	87.7	47
34.1	38.9	251.9	294.1	618.9	630.7	504.9	236.3	48
.1	.5	-	21.9	22.5	20.5	13.8	9.2	49
-	-	225.1	171.8	397.0	397.4	368.8	99.1	50
.5	.2	6.6	85.4	92.7	92.6	40.5	16.3	51
-	-	72.8	-	72.8	72.8	60.6	-112.3	52
6.4	12.1	15.4	984.3	1 018.1	1 012.2	605.6	297.8	53
-	-	15.4	672.7	688.1	688.1	433.3	133.8	54
2.9	12.1	-	137.5	152.4	151.6	101.9	97.8	55
.2	.5	-	637.3	638.0	638.0	468.1	238.3	56
7.2	(Z)	371.9	843.3	1 222.4	1 221.5	982.3	695.6	57
3.1	-	5.1	72.4	80.5	80.6	70.3	63.4	58
4.2	(Z)	1.1	770.1	775.4	770.2	557.4	477.4	59
58.7	4.2	16.0	591.0	669.9	651.3	527.0	496.9	60

Table 3. Department of Defense Manufacturing Facilities by Selected State and Standard

[Detail may not add to totals due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix]

	Geographic area	All employees (wage board and graded)		Production workers (wage board)			Costs	
		Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)	Materials, supplies, and parts consumed (million dollars)	Contract services and other costs (million dollars)
1	United States -----	234.2	4 382.2	139.1	256.9	2 468.7	1 639.0	2 526.2
2	Alabama -----	5.4	116.7	2.8	4.8	44.4	58.3	20.3
3	Huntsville SMSA -----	2.4	68.3	(Z)	(Z)	.4	3.4	12.3
4	Arkansas -----	1.0	16.1	.5	.9	8.7	3.7	5.8
5	California -----	53.8	1 037.8	31.4	56.7	608.5	323.7	542.0
6	Bakersfield SMSA -----	6.6	127.7	1.6	2.8	28.6	36.7	162.2
7	Los Angeles-Long Beach, SMSA -----	7.4	129.6	6.0	10.6	106.4	42.8	33.5
8	San Diego SMSA -----	9.1	173.6	4.7	8.4	80.8	80.0	167.3
9	San Francisco-Oakland SMSA -----	5.8	116.7	4.2	7.8	87.7	49.1	32.1
10	Vallejo-Fairfield-Napa SMSA -----	10.1	209.7	7.7	14.1	165.2	32.4	31.5
11	Colorado -----	.9	18.4	.5	.9	10.0	5.0	4.3
12	District of Columbia -----	4.8	109.2	.7	1.5	13.6	18.2	111.4
13	Florida -----	10.1	191.0	5.4	10.1	99.1	86.9	139.9
14	Jacksonville SMSA -----	2.8	51.6	2.0	3.7	38.4	36.7	15.5
15	Pensacola SMSA -----	3.4	60.6	2.5	4.5	44.8	28.1	19.5
16	Georgia -----	6.4	124.8	5.2	9.0	102.3	72.8	12.8
17	Macon SMSA -----	6.4	124.8	5.2	9.0	102.3	72.8	12.8
18	Hawaii -----	5.5	107.5	4.2	7.6	84.0	28.4	21.5
19	Illinois -----	2.9	55.0	1.8	3.2	32.0	24.1	3.0
20	Davenport-Rock Island-Moline, Iowa-Ill., SMSA -----	2.9	55.0	1.8	3.2	32.0	24.1	3.0
21	Indiana -----	6.6	107.4	3.2	5.6	49.4	51.5	38.7
22	Indianapolis SMSA -----	2.5	46.6	1.1	2.0	20.6	30.5	15.4
23	Kentucky -----	2.4	39.9	1.6	3.4	26.7	11.1	6.5
24	Louisville, Ky.-Ind., SMSA -----	2.4	39.9	1.6	3.4	26.7	11.1	6.5
25	Maryland -----	8.9	185.8	2.8	5.3	51.6	90.7	143.9
26	Massachusetts -----	1.2	28.4	.2	.3	2.9	3.6	36.6
27	Boston SMSA -----	1.2	28.4	.2	.3	2.9	3.6	36.6
28	Mississippi -----	.2	4.5	(Z)	(Z)	(Z)	2.1	13.9
29	Nevada -----	1.5	21.3	1.0	1.7	14.4	4.4	4.5
30	New Hampshire -----	7.4	119.6	5.1	9.2	80.1	26.7	25.3
31	New Jersey -----	6.9	151.4	1.6	2.9	31.1	18.5	179.2
32	Newark SMSA -----	5.6	128.0	.9	1.5	19.2	12.1	167.2
33	New Mexico -----	.5	11.0	(Z)	(Z)	.1	3.7	135.5
34	New York -----	3.8	67.6	1.7	3.5	27.5	52.8	7.4
35	Albany-Schenectady-Troy SMSA -----	2.7	44.9	1.6	3.4	26.3	48.2	6.6
36	North Carolina -----	2.5	42.0	1.9	3.4	32.1	38.8	9.3
37	Ohio -----	4.2	92.3	1.3	2.4	24.4	15.2	200.5
38	Dayton SMSA -----	2.5	59.9	.2	.4	3.1	2.8	196.9
39	Oklahoma -----	9.6	169.2	7.5	19.4	132.0	132.7	101.9
40	Oklahoma City SMSA -----	8.0	145.4	6.3	10.9	116.0	129.6	91.2
41	Pennsylvania -----	17.8	338.8	11.9	21.0	202.6	102.9	202.0
42	Philadelphia, Pa.-N.J., SMSA -----	13.4	245.8	7.7	13.7	126.1	56.8	184.8
43	Rhode Island -----	3.2	67.9	.3	.5	4.6	18.1	98.4
44	South Carolina -----	8.1	134.6	6.1	11.1	101.2	33.1	34.6
45	Tennessee -----	.2	3.3	(Z)	(Z)	.1	7.0	97.1
46	Texas -----	13.6	242.8	10.5	18.1	184.2	150.6	43.3
47	San Antonio SMSA -----	8.2	140.7	6.2	10.6	105.0	78.4	20.0
48	Texarkana, Tex.-Texarkana, Ark., SMSA -----	2.6	43.7	2.1	3.6	36.9	20.4	15.6
49	Utah -----	9.3	152.1	6.8	11.9	109.1	61.3	41.2
50	Virginia -----	22.7	385.7	13.9	25.3	217.3	121.4	191.5
51	Norfolk-Virginia Beach-Portsmouth, Va.-N.C., SMSA -----	15.3	241.7	11.9	21.3	183.5	101.6	66.1
52	Washington -----	13.0	240.2	9.2	17.2	174.9	71.3	44.3

Metropolitan Statistical Area: 1977

Value of shipments or receipts for service by type of activity						Value added by manufacture		
Manufacture and assembly (million dollars)	Construction and conversion (million dollars)	Research and development (million dollars)	Other receipts (million dollars)	Total billings (million dollars)	Total revenue (million dollars)	Total revenue less cost of materials (million dollars)	Revenue less cost of materials, contract services, other costs (million dollars)	
463.6	151.7	2 335.2	5 100.6	8 051.1	8 325.5	6 686.7	4 160.5	1
1.6	18.2	84.5	92.2	196.6	196.6	138.8	118.0	2
-	-	84.5	-	84.5	84.5	81.1	68.8	3
10.9	-	-	15.2	26.1	26.0	22.3	16.5	4
26.5	9.4	584.9	1 096.3	1 717.1	1 711.5	1 387.8	845.8	5
-	-	232.9	24.2	257.1	253.6	216.9	54.7	6
-	9.2	4	140.9	150.5	220.2	177.4	143.9	7
12.4	-	183.7	238.8	435.0	441.1	361.1	193.8	8
9.5	.2	(Z)	182.1	191.7	194.7	145.6	113.6	9
.3	-	33.6	181.4	215.3	282.3	249.9	218.4	10
.5	5.6	1.2	20.4	27.7	27.7	22.7	18.4	11
-	-	227.8	4.7	232.4	234.2	216.0	104.6	12
2.4	-	93.2	219.7	315.3	329.1	242.2	102.3	13
1.7	-	-	99.4	101.1	107.2	70.5	55.0	14
.7	-	-	103.6	104.4	112.7	84.7	65.2	15
-	-	-	185.9	185.9	213.5	140.7	127.9	16
-	-	-	185.9	185.9	213.5	140.7	127.9	17
-	.1	(Z)	98.5	98.6	168.7	140.2	118.8	18
47.2	2.8	6.2	43.1	99.4	92.0	68.0	54.9	19
47.2	2.8	6.2	43.1	99.4	92.0	68.0	54.9	20
83.3	-	17.7	89.5	190.5	201.8	150.3	111.6	21
61.2	-	14.4	9.4	85.0	90.0	60.4	45.0	22
22.7	-	.1	44.5	67.4	60.2	49.0	42.5	23
22.7	-	.1	44.5	67.4	60.2	49.0	42.5	24
37.6	-	213.8	210.1	461.5	457.0	366.3	222.3	25
3.4	-	59.6	7.0	70.0	69.4	65.8	29.2	26
3.4	-	59.6	7.0	70.0	69.4	65.8	29.2	27
-	-	20.6	-	20.6	20.6	18.4	4.5	28
7.3	-	-	30.3	37.7	37.7	33.3	28.7	29
.1	78.7	.5	45.7	125.0	185.2	158.5	133.2	30
5.5	-	101.2	234.3	341.0	348.6	330.1	151.0	31
4.8	-	82.3	211.7	298.9	304.9	292.8	125.5	32
-	-	150.2	-	150.2	150.2	146.6	11.0	33
73.2	-	27.9	24.9	126.0	133.2	80.4	73.0	34
73.2	-	5.1	19.5	97.7	10.0	56.8	50.2	35
.7	-	2.8	73.6	77.0	83.8	45.0	35.7	36
.4	.1	177.6	104.6	282.7	287.8	272.6	72.1	37
.3	.1	177.6	61.4	239.4	239.4	236.6	39.7	38
25.4	8.5	(Z)	373.5	407.4	396.5	263.8	161.9	39
4.5	8.5	-	345.0	358.0	352.4	222.9	131.7	40
64.2	3.3	144.6	470.5	682.6	673.7	570.8	368.8	41
45.4	1.4	144.6	320.5	511.9	504.7	447.9	263.1	42
-	-	110.0	83.8	193.8	191.5	173.4	75.1	43
.6	-	-	149.2	149.9	221.4	188.3	154.3	44
-	-	25.3	-	25.3	25.3	18.3	78.8	45
14.3	-	18.5	389.9	422.8	417.7	267.1	223.7	46
-	-	18.5	198.6	217.2	217.2	138.8	118.7	47
14.3	-	-	70.3	84.7	79.7	59.3	43.7	48
6.2	5.1	13.2	219.0	243.6	264.4	203.1	161.9	49
7.6	16.9	248.9	445.9	719.3	727.4	606.0	414.4	50
4.7	16.9	1.3	390.4	413.3	418.9	317.3	251.2	51
21.8	3.0	5.0	328.1	357.9	372.9	301.6	257.3	52

Table 4. Department of Defense Manufacturing Facilities—Costs for Fuels and Purchased Electricity Consumed by Selected Industry Group and Geographic Area: 1982

[Million dollars. Detail may not add to totals due to rounding. For meaning of abbreviations and symbols, see introductory text. For definitions of SMSA's, see appendix]

Industry group and geographic area	Total	Cost of fuels consumed	Purchased electricity	Industry group and geographic area	Total	Cost of fuels consumed	Purchased electricity
United States -----	522.8	231.2	291.6	STATES AND STANDARD METROPOLITAN STATISTICAL AREAS			
				— Con.			
INDUSTRY GROUPS				Georgia -----	10.1	10.1	—
Apparel and other textile products (SIC 23) -----	.8	.5	.3	Hawaii -----	12.7	.1	12.5
Chemicals and allied products (SIC 28) -----	21.8	8.5	13.3	Illinois -----	1.2	.7	.5
Industrial inorganic chemicals (SIC 281) -----	1.5	1.3	.2	Indiana -----	18.1	9.0	9.1
Industrial organic chemicals (SIC 286) -----	18.9	7.2	11.7	Indianapolis SMSA -----	2.4	1.0	1.4
Miscellaneous chemical products (SIC 289) -----	1.3	—	1.3	Kentucky -----	2.7	(Z)	2.7
Ordnance and accessories (SIC 348) -----	40.3	19.7	20.6	Maryland -----	47.3	28.2	19.1
Communication equipment (SIC 366) -----	22.9	13.5	9.4	Massachusetts -----	1.8	1.3	.5
Transportation equipment (SIC 37) -----	375.0	162.7	212.3	Boston SMSA -----	1.8	1.3	.5
Aircraft and parts (SIC 372) -----	172.8	118.6	54.2	Mississippi -----	.2	—	.2
Ship and boat building and repairing (SIC 373) -----	162.3	29.1	133.2	New Hampshire -----	19.6	8.6	11.0
Guided missiles, space vehicles, and parts (SIC 376) -----	38.4	14.2	24.3	New Jersey -----	26.3	16.3	10.0
Miscellaneous transportation equipment (SIC 379) -----	1.4	.8	.6	Long Branch-Asbury Park SMSA -----	3.0	1.2	1.8
Research and development -----	62.2	26.4	35.9	Newark SMSA -----	11.8	8.9	3.0
				Trenton SMSA -----	5.3	1.8	3.5
STATES AND STANDARD METROPOLITAN STATISTICAL AREAS				New Mexico -----	—	—	—
Alabama -----	21.3	7.5	13.8	New York -----	4.4	2.1	2.4
Huntsville SMSA -----	16.4	5.7	10.7	Albany-Schenectady-Troy SMSA -----	4.4	2.1	2.4
Arkansas -----	1.3	—	1.3	Utica-Rome SMSA -----	—	—	—
California -----	87.1	34.7	52.5	North Carolina -----	6.1	4.8	1.3
Bakersfield SMSA -----	7.3	2.6	4.7	Ohio -----	1.2	1.2	—
Los Angeles-Long Beach SMSA -----	13.7	(Z)	13.7	Dayton SMSA -----	—	—	—
Oxnard-Simi Valley-Ventura SMSA -----	13.4	8.5	4.9	Oklahoma -----	13.3	13.0	.3
Sacramento SMSA -----	6.8	6.4	.5	Oklahoma City SMSA -----	12.0	12.0	—
San Diego SMSA -----	23.4	7.6	15.8	Pennsylvania -----	59.8	14.4	45.5
San Francisco-Oakland SMSA -----	12.2	8.4	3.8	Northeast Pennsylvania SMSA -----	2.6	1.6	1.0
Vallejo-Fairfield-Napa SMSA -----	9.0	.6	8.3	Philadelphia, Pa.-N.J., SMSA -----	59.3	14.1	45.2
Colorado -----	1.5	1.3	.2	York SMSA -----	—	—	—
Colorado Springs SMSA -----	—	—	—	Rhode Island -----	9.6	6.1	3.5
Denver-Boulder SMSA -----	1.5	1.3	.2	South Carolina -----	20.2	5.2	15.1
Pueblo SMSA -----	(Z)	(Z)	(Z)	Tennessee -----	21.6	3.3	18.3
District of Columbia -----	9.0	4.4	4.6	Texas -----	17.9	13.2	4.6
Washington, D.C.-Md.-Va., SMSA -----	24.6	9.5	15.1	San Antonio SMSA -----	11.7	11.7	—
Florida -----	28.6	10.8	17.9	Texarkana, Tex.-Texarkana, Ark., SMSA -----	2.0	1.6	.5
Jacksonville SMSA -----	8.3	5.8	2.5	Utah -----	9.6	9.0	.6
Pensacola SMSA -----	7.3	4.8	2.6	Virginia -----	51.7	20.2	31.5
				Newport News-Hampton SMSA -----	6.9	3.0	4.0
				Norfolk-Virginia Beach-Portsmouth, Va.-N.C., SMSA -----	37.3	12.7	24.7
				Washington -----	18.8	6.1	12.7

Table 5. Federal, State, and District of Columbia Penitentiaries—Value of Production by Product Group: 1982 and Earlier Years

(Million dollars. Detail may not add to totals due to rounding. Includes value of products produced in penal institutions for use in government owned and operated facilities. Excludes agricultural products, road building, and other nonmanufacturing activities. For meaning of abbreviations and symbols, see introductory text.)

Product group	1982				1977				1972			
	Total	Federal	State	District of Columbia	Total	Federal	State	District of Columbia	Total	Federal	State	District of Columbia
Total	470.0	161.0	305.6	3.4	272.8	90.9	179.7	2.2	172.2	56.3	114.5	1.4
Meat products.....	37.7	—	37.6	.1	15.3	—	15.2	.1	6.7	—	6.7	—
Dairy products.....	20.8	—	20.4	.4	4.7	—	4.7	—	3.9	—	3.9	—
Canned or preserved fruits and vegetables.....	5.8	—	5.8	—	3.2	—	3.2	—	3.0	—	3.0	—
Grain mill products.....	5.4	—	5.4	—	1.7	—	1.7	—	2.4	—	2.4	—
Coffee and tea.....	1.1	—	1.1	—	1.1	—	1.1	—	.8	—	.8	—
Tobacco (chewing and smoking) and snuff.....	.4	—	.4	—	.9	—	.9	—	.7	—	.7	—
Blankets, cotton.....	.5	.4	.1	(Z)	5.6	5.4	.2	(Z)	2.3	2.2	.1	—
Woven fabrics, wool.....	11.6	8.1	3.5	—	12.3	10.3	2.0	—	9.5	7.7	1.8	—
Cordage and twine.....	—	—	—	—	.3	—	.3	—	.3	—	.3	—
Apparel and related products.....	51.1	18.5	32.2	.4	24.5	5.4	18.6	.5	15.1	2.2	12.6	.3
Sheets and pillowcases.....	6.5	—	6.4	.1	2.8	—	2.7	.1	1.0	—	1.0	—
Canvass and related products.....	21.4	21.3	.1	—	5.9	5.7	.2	—	5.1	5.0	.1	—
Mattresses.....	19.5	11.2	8.3	(Z)	7.8	3.5	4.3	—	3.4	1.9	1.5	—
Office furniture.....	40.6	21.9	18.7	—	22.4	9.8	12.3	.3	13.7	6.5	7.1	.1
Public building and related furniture.....	9.2	—	8.1	1.1								
Printing and binding.....	20.5	4.1	15.8	.6	11.2	2.2	8.6	.4	6.0	1.3	4.3	.4
Soaps, detergents, cleaners, and toilet preparations.....	12.2	—	12.2	—	7.1	—	7.1	—	5.0	—	5.0	—
Paints and allied products.....	9.9	—	9.9	—	6.9	—	6.9	—	4.7	—	4.7	—
Footwear, except rubber.....	7.0	2.9	4.1	—	9.4	6.9	2.5	—	6.7	4.9	1.8	—
Brick or block (clay or concrete).....	.2	—	.2	—	.4	—	.4	—	.3	—	.3	—
Motor vehicle license plates.....	63.4	—	63.0	.4	42.1	—	41.9	.2	33.6	—	33.4	.2
Miscellaneous metal products.....	44.4	25.0	19.3	.1	26.7	17.0	9.4	.3	15.2	10.2	5.0	—
Highway and road signs.....	19.7	3.8	15.8	.1	15.3	2.5	12.7	.1	9.3	1.1	8.2	—
Brooms and brushes.....	14.4	12.4	2.0	—	9.4	8.3	1.1	—	6.6	6.0	.5	.1
Other products.....	46.0	31.4	14.6	—	35.8	13.9	21.7	.2	16.9	7.3	9.3	.3

Table 6. Federal, State, and District of Columbia Penitentiaries—Value of Production by

[Million dollars. Detail may not add to totals due to rounding. Geographic distribution is for State and District of Columbia penitentiaries only. Excludes agricultural products, road building, and other

Geographic area	1982												
	Total	Meat products	Dairy products	Canned or preserved fruits and vegetables	Grain mill products	Coffee and tea	Tobacco (chewing and smoking) and snuff	Blankets, cotton	Woven fabrics, wool	Cordage and twine	Apparel and related products	Sheets and pillowcases	Canvass and related products
United States	470.0	37.7	20.8	5.8	5.4	1.1	.4	.5	11.6	-	51.1	6.5	21.4
Federal	181.0	-	-	-	-	-	-	.4	8.1	-	18.5	-	21.3
State	305.8	37.6	20.4	5.8	5.4	1.1	.4	.1	3.5	-	32.2	6.4	.1
District of Columbia	3.4	.1	.4	-	-	-	-	(Z)	-	-	.4	.1	-
Alabama	6.0	.4	-	.5	-	-	-	-	-	-	.8	.2	-
Alaska .....	.1	-	-	-	-	-	-	-	-	-	-	-	-
Arizona	1.2	.2	.1	-	-	-	-	-	-	-	(Z)	-	-
Arkansas	3.3	.7	.2	.9	.4	-	-	-	-	-	.5	-	-
California	17.8	-	3.7	-	-	-	-	-	-	-	4.1	-	-
Colorado	3.4	.3	.8	-	.1	-	-	-	-	-	.1	-	-
Connecticut	2.8	-	-	-	.1	-	-	-	-	-	.2	-	-
Delaware .....	.4	(Z)	-	-	(Z)	-	-	-	-	-	-	-	-
District of Columbia	3.4	.1	.4	-	-	-	-	(Z)	-	-	.4	.1	-
Florida	17.6	4.0	.9	.3	1.0	-	-	-	-	-	2.5	.4	-
Georgia	12.3	2.9	.4	.5	-	-	-	-	-	-	.9	.1	(Z)
Hawaii .....	.2	.1	-	-	-	-	-	-	-	-	-	-	-
Idaho	1.5	.3	.3	-	.1	-	-	-	-	-	-	-	-
Illinois	8.0	.9	.8	-	.4	-	.2	-	-	-	2.7	.3	.1
Indiana	5.9	-	.7	-	-	-	-	-	-	-	.5	.1	-
Iowa	5.9	-	-	-	-	-	-	-	-	-	.1	-	-
Kansas	2.8	-	-	-	-	-	-	-	-	-	.2	-	-
Kentucky	4.7	1.5	.8	.8	-	-	-	-	-	-	.3	(Z)	-
Louisiana	4.8	1.0	.2	-	-	-	-	-	-	-	.7	.1	-
Maine .....	.2	-	-	-	-	-	-	-	-	-	.1	-	-
Maryland	5.5	1.5	-	-	-	-	-	-	-	-	.2	-	-
Massachusetts	3.8	.3	.1	(Z)	-	-	-	-	-	-	.1	-	-
Michigan	9.1	-	-	-	-	-	-	(Z)	.5	-	1.2	.3	-
Minnesota	4.0	-	-	-	-	-	-	-	-	-	-	-	-
Mississippi .....	.4	-	-	.1	-	-	-	-	-	-	-	-	-
Missouri	6.0	.5	.5	-	-	-	-	-	-	-	.5	-	-
Montana	1.7	.7	.3	-	-	-	-	-	-	-	-	-	-
Nebraska	1.5	-	-	-	-	-	-	(Z)	-	-	-	.1	-
Nevada .....	.4	-	-	-	-	-	-	-	-	-	-	-	-
New Hampshire .....	.8	(Z)	.1	(Z)	-	-	-	-	-	-	-	-	-
New Jersey	7.1	.8	1.4	-	-	-	-	.1	.1	-	.7	-	-
New Mexico	1.8	.7	.2	-	-	-	-	-	-	-	.1	(Z)	-
New York	27.8	-	-	-	-	-	-	-	-	-	3.9	3.3	-
North Carolina	19.3	4.7	-	1.2	-	-	-	-	-	-	1.2	-	-
North Dakota	1.3	.1	.1	-	-	-	-	-	-	-	-	-	-
Ohio	12.2	-	-	-	-	-	.2	-	-	-	1.2	.1	-
Oklahoma	4.8	1.0	.3	.2	.1	-	-	-	-	-	.4	-	-
Oregon	1.7	-	-	-	-	-	-	-	-	-	-	(Z)	-
Pennsylvania	13.7	1.3	1.1	.6	.8	.6	-	-	.8	-	2.8	-	-
Rhode Island .....	.8	-	-	-	-	-	-	-	-	-	(Z)	(Z)	-
South Carolina	3.1	.5	.8	-	-	-	-	-	-	-	.5	.1	-
South Dakota .....	.4	-	.1	-	-	-	-	-	-	-	-	-	-
Tennessee	8.8	.2	.6	-	.4	-	(Z)	-	-	-	.6	.1	-
Texas	51.9	11.8	4.1	.9	1.8	.5	-	-	2.1	-	4.1	1.2	-
Utah	2.0	.4	.4	-	.2	-	-	-	-	-	-	-	-
Vermont	1.1	-	.2	-	-	-	-	-	-	-	-	-	-
Virginia	7.7	.9	-	-	-	-	-	-	-	-	1.2	-	-
Washington	4.1	(Z)	1.1	-	-	-	-	-	-	-	-	-	-
West Virginia .....	.8	-	-	-	-	-	-	-	-	-	-	-	-
Wisconsin	3.4	-	.3	-	-	-	-	-	-	-	-	-	-
Wyoming	1.1	.1	(Z)	-	(Z)	-	-	-	-	-	(Z)	(Z)	-

Product Group and Geographic Area: 1982 and 1977

nonmanufacturing activities. For meaning of abbreviations and symbols, see introductory text]

1982—Con.													1977, total	Geographic area
Mat-tresses	Office furniture	Public building and related furniture	Printing and binding	Soaps, detergents, cleaners, etc.	Paints and allied products	Footwear, except rubber	Brick or block, (clay or concrete)	Motor vehicle license plates	Miscellaneous metal products	Highway and road signs	Brooms and brushes	Other products		
19.5	40.6	9.2	20.5	12.2	9.9	7.0	.2	63.4	44.4	19.7	14.4	48.0	272.6	U.S.
11.2	21.9	-	4.1	-	-	2.9	-	-	25.0	3.6	12.4	31.4	90.9	Federal
8.3	16.7	6.1	15.6	12.2	9.9	4.1	.2	63.0	19.3	15.6	2.0	14.6	179.7	State
(Z)	-	1.1	.6	-	-	-	-	.4	.1	.1	-	-	2.2	D.C.
-	.5	.3	.7	-	-	-	-	2.3	.5	-	-	-	4.5	Ala.
(Z)	(Z)	-	-	-	-	(Z)	-	.1	.3	(Z)	-	(Z)	-	Alaska
-	-	-	.1	-	-	-	-	-	-	(Z)	-	-	2.0	Ariz.
.4	.9	-	1.5	.6	1.1	-	-	2.5	1.8	-	-	-	1.2	Ark.
-	-	-	-	-	-	-	-	-	-	-	-	-	15.9	Calif.
-	.3	-	.5	-	-	-	-	1.0	-	.3	-	-	1.2	Colo.
.1	.7	-	.6	-	-	-	-	.3	.1	.2	-	-	2.4	Conn.
(Z)	(Z)	(Z)	(Z)	-	-	-	-	-	.2	-	-	-	-	Del.
.4	.1	1.1	.6	-	-	-	-	.4	.1	.1	-	-	2.2	D.C.
-	-	.6	1.8	1.4	-	.7	.2	2.2	-	.3	(Z)	.7	9.0	Fla.
.9	.2	.4	1.1	.9	-	-	(Z)	3.3	.2	.4	.1	-	5.7	Ga.
-	-	-	.1	-	-	-	-	-	-	-	-	-	.1	Hawaii
-	.4	-	-	-	-	-	-	.2	(Z)	(Z)	-	-	.8	Idaho
.6	.1	-	-	.5	-	-	-	-	-	1.1	.2	.1	4.4	Ill.
.2	.2	.2	.5	.1	-	-	(Z)	1.9	.2	1.2	.1	(Z)	5.2	Ind.
.2	1.0	1.0	.9	-	-	-	-	1.0	.3	1.2	-	.2	4.2	Iowa
.1	-	-	-	.2	1.6	-	-	-	-	.5	-	-	2.1	Kans.
.1	.2	-	.1	.3	-	-	-	.6	.2	-	.1	.1	.9	Ky.
.3	-	-	(Z)	.6	-	-	-	1.1	-	.2	(Z)	.6	2.0	La.
-	-	-	-	-	-	-	-	-	-	-	-	(Z)	2.6	Maine
.3	.8	.3	.8	-	.5	-	-	.5	.5	.1	.1	.1	2.5	Md.
.2	.3	-	.2	-	-	-	-	1.9	.2	(Z)	.1	-	1.6	Mass.
.1	1.6	-	-	-	-	.5	-	3.0	-	.7	-	1.2	7.3	Mich.
.1	.2	.3	.4	-	-	-	-	1.0	2.0	-	-	-	5.5	Minn.
-	-	-	.1	.2	-	-	-	-	-	-	-	-	.1	Miss.
(Z)	.4	-	.4	.7	-	.1	-	1.8	.2	.2	-	.6	6.0	Mo.
.1	-	(Z)	(Z)	-	-	-	-	.5	-	-	(Z)	-	1.4	Mont.
(Z)	.2	-	.3	.2	-	-	-	.4	.1	.1	-	-	.9	Nebr.
-	.3	-	-	-	-	-	-	-	-	-	-	(Z)	-	Nev.
-	-	.3	-	-	-	-	-	.1	-	-	-	.1	.3	N.H.
.9	-	.3	.4	.2	-	.1	-	1.1	.3	.3	.1	.3	4.3	N.J.
(Z)	.3	-	.2	-	-	-	-	.2	-	.1	-	-	1.0	N. Mex.
.5	2.8	1.0	.3	1.7	-	-	-	7.6	5.3	.8	.1	.7	6.5	N.Y.
.2	.2	.1	1.1	.8	5.1	-	-	1.7	.6	2.4	-	.8	13.3	N.C.
-	.8	-	-	.1	-	-	-	-	-	.2	-	-	.7	N. Dak.
.4	.6	-	.3	.4	-	.4	-	8.2	.6	.4	.4	.6	9.7	Ohio
.2	.2	.1	.2	-	-	-	-	.7	.5	.6	-	.1	2.1	Okla.
(Z)	1.0	.2	-	-	-	-	-	-	.5	-	-	-	1.0	Oreg.
.7	-	.6	.8	.6	-	.4	-	1.7	.5	-	-	.4	14.6	Pa.
-	-	-	.2	-	-	-	-	.2	-	.2	-	-	.5	R.I.
.1	.1	-	.1	(Z)	-	-	-	.5	.3	.1	-	-	1.6	S.C.
(Z)	.1	-	.1	-	-	-	-	.1	-	-	-	-	.6	S. Dak.
.1	1.0	-	.3	.2	1.4	-	-	3.1	.5	.2	-	.1	6.3	Tenn.
1.0	.4	2.4	-	2.5	-	1.3	-	8.6	2.6	2.9	.5	5.2	16.4	Tex.
-	.2	-	.3	-	-	-	-	.3	-	-	.2	-	1.4	Utah
-	(Z)	-	.3	-	-	-	-	.2	-	.2	-	.2	.7	Vt.
-	1.2	-	.2	-	-	.8	-	2.6	.5	.3	-	.2	2.9	Va.
(Z)	.7	-	.2	-	-	-	-	1.2	.3	.4	-	.2	1.9	Wash.
-	-	-	.1	-	-	-	-	.4	-	.1	-	-	.5	W. Va.
.1	.8	-	.2	-	-	-	-	1.9	-	.3	-	-	1.9	Wis.
(Z)	-	-	-	-	-	(Z)	-	1.0	-	-	(Z)	-	(Z)	Wyo.

APPENDIX A.

Report Forms

Form Approved: Interagency Control No. 1077-D0C-AN

<p>FORM MA-171 (11-29-82)</p> <p style="text-align: center;">U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS</p> <p style="text-align: center;">DEPARTMENT OF DEFENSE-OWNED AND OPERATED ESTABLISHMENTS PRIMARILY ENGAGED IN MANUFACTURING AND ASSEMBLY, AND/OR RESEARCH AND DEVELOPMENT — 1982</p> <p style="text-align: center;">(Includes shipyards)</p> <p>INSTRUCTIONS — This report is to be prepared by those Department of Defense establishments whose primary activities are manufacture and assembly and/or research and development. All shipyards are included.</p> <p>The information requested is based upon reports now regularly prepared by most such establishments.</p>	<p>NOTICE — Response to this inquiry is required by law (title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.</p> <p style="text-align: center;">PLEASE RETURN THIS COPY</p> <p style="text-align: right; font-size: small;">Please correct errors in name, address, and ZIP code. Enter street and number if not shown.</p>																	
<p>ITEM 1 — NAME AND PHYSICAL LOCATION OF ESTABLISHMENT ON DECEMBER 31, 1982</p> <p>NOTE: P.O. boxes or rural routes are not physical locations.</p> <p>a. <input type="checkbox"/> Same as shown in mailing label. If different, indicate below.</p> <table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 60%;">NAME</td><td colspan="2"></td></tr><tr><td>NUMBER AND STREET</td><td colspan="2"></td></tr><tr><td>CITY, TOWN, VILLAGE, ETC.</td><td style="width: 15%;">STATE</td><td style="width: 25%;">ZIP CODE</td></tr></table> <p>b. Is this establishment physically located inside the legal boundaries of the city, town, village, etc.?</p> <table style="width: 100%;"><tr><td style="width: 50%;">1 <input type="checkbox"/> YES</td><td style="width: 50%;">3 <input type="checkbox"/> No legal boundaries</td></tr><tr><td>2 <input type="checkbox"/> NO</td><td>4 <input type="checkbox"/> Don't know</td></tr></table> <p>c. Type of municipality where physically located</p> <table style="width: 100%;"><tr><td style="width: 50%;">1 <input type="checkbox"/> City, village, or borough</td><td style="width: 50%;">3 <input type="checkbox"/> Other or don't know</td></tr><tr><td>2 <input type="checkbox"/> Town or township</td><td></td></tr></table> <p>d. Name of county where physically located</p>		NAME			NUMBER AND STREET			CITY, TOWN, VILLAGE, ETC.	STATE	ZIP CODE	1 <input type="checkbox"/> YES	3 <input type="checkbox"/> No legal boundaries	2 <input type="checkbox"/> NO	4 <input type="checkbox"/> Don't know	1 <input type="checkbox"/> City, village, or borough	3 <input type="checkbox"/> Other or don't know	2 <input type="checkbox"/> Town or township	
NAME																		
NUMBER AND STREET																		
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1 <input type="checkbox"/> City, village, or borough	3 <input type="checkbox"/> Other or don't know																	
2 <input type="checkbox"/> Town or township																		
<p>ITEM 2 — NATURE OF ACTIVITY</p> <p>Describe briefly the kind of activity of this establishment. If a manufacturing plant, list the three principle products which generate the most earned revenue, see item 6.</p> <div style="border: 1px solid black; height: 40px; margin-top: 10px;"></div>																		
<p style="text-align: center;">SPECIAL INSTRUCTIONS FOR ITEMS 3—7</p> <div style="display: flex; justify-content: space-between;"><div style="width: 48%;"><p>► Item 3 — Number of employees — Report all employees at this establishment on the last day of the specified months. Should be the same as line 1 of Office of Personnel Management Form (SF-113-1).</p><p>► Item 3(1) — Number of production workers — Report workers (up through the working foreman level) engaged in fabricating, processing, assembling, inspecting, and other manufacturing. Should be the same as line 5 of Office of Personnel Management Form (SF-113-A).</p><p>► Item 3(2) — All other employees — Report nonproduction personnel, including those engaged in supervision (above the working foreman level), installation and servicing of own product, sales, delivery, professional, technical, administrative, etc.</p><p>► Item 4 — Annual payroll before deductions — Follow the definition of salaries and wages used for calculating the Federal withholding tax. Report gross earnings prior to deductions paid in the calendar year to those employees reported in item 3. Include commissions, dismissal pay, bonuses, and vacation pay.</p><p>► Item 5 — Hours worked by production workers by quarter — Include all production hours worked, including overtime hours, but excluding paid vacations, etc. These should be reported as actual hours worked, not straight-time equivalent hours.</p><p>► Item 6 — Total earned revenue — Report the value of total billings (including progress billings) based on the Industrial Fund Accounting System of the Department of Defense, including receipts for construction and conversion, manufacture and assembly, and research and development, adjusted by the increase or decrease in unbilled costs of work in progress.</p><p>► Item 7 — Cost of materials, etc. — Report total delivered cost after discounts and including freight of the materials actually consumed or put in production during the year. Include purchases, interplant transfers, and withdrawal from inventories.</p></div><div style="width: 48%;"><p>If there are no records of consumption, purchases may be reported instead for minor items. This can also be done for major items if purchases do not differ significantly from the amounts actually used. Where consumption of major items differs significantly from purchases, consumption may be estimated by adding beginning inventories to the amount purchased and subtracting ending inventories.</p><p>► Item 7a — Cost of materials, parts, components, containers, etc., used — The delivered cost figures should cover all raw materials, containers, scrap, supplies, etc., which were: (1) put into production, (2) used as operating supplies, (3) used in repair and maintenance.</p><p>► Item 7b — Cost of products bought and sold — Report the cost of all products bought and sold in the same condition as when purchased and not made part of another product manufactured by this establishment.</p><p>► Item 7c(1) — Cost of fuels consumed — Report the total cost of all fuels consumed for heat, power, transportation, or the generation of electricity. Do not include the estimated cost of fuels, such as sawdust or blast furnace gas, produced as a byproduct of your manufacturing activities. Include anthracite and bituminous coal, coke, natural and manufactured gas, fuel oil, liquefied petroleum gas, gasoline, and all other fuels, including purchased steam.</p><p>► Item 7c(2) — Cost of purchased electricity — Report the total cost of electric energy purchased or received from outside your establishment. Exclude the value of electricity generated and used at this establishment.</p><p>► Item 7d — Cost of contract work done for you by others on your materials — If any contract work was done by others on materials furnished by your establishment, report the total payments made during the year for such work, including freight out and in. Exclude the cost of materials worked on, which should be included in item 7a.</p></div></div>																		
<table border="1" style="width: 100%; border-collapse: collapse;"><tr><td style="width: 10%; text-align: center;">CENSUS USE</td><td style="width: 90%;"></td></tr></table> <p style="font-size: small;">PENALTY FOR FAILURE TO REPORT</p> <p style="text-align: right; font-size: small;">CONTINUE ON PAGE 2 →</p>		CENSUS USE																
CENSUS USE																		

HOW TO REPORT

COMPLETE EACH ITEM; ENTER "0" WHEN APPROPRIATE

Figures for dollars and plant-hours should be rounded to thousands. If you wish, you may report to the nearest unit. Be careful to enter your figures in the correct columns.

Example: If a figure is \$1,125,628, report either

* PREFERRED method

Acceptable method

Millions (000)	Thou- sands (000)	Dollars (000)
1	126	
1	125	628

Item 3 — EMPLOYMENT IN 1982 — AT END OF QUARTER

(As reported on Office of Personnel Management Form SF-113-A.)

a. Number of workers at end of quarter

- (1) March
(2) June
(3) September
(4) December

b. TOTAL — Sum of lines (1) through (4)

c. TOTAL CIVILIAN EMPLOYMENT

Average number — divide line b by 4, omit fractions

Number of civilian employees

Key	Production workers (Wage Board) (1)	Key	All others (2)	Key	Total (3)
01		02		03	
11		12		13	
21		22		23	
31		32		33	
41		42		43	
47		48		49	

Item 4 — ANNUAL PAYROLL FOR 1982, (BEFORE DEDUCTIONS)

Total wages and salaries of civilian employees

Key	Production workers (Wage Board) (1)	Key	All others (2)	Key	Total (3)
50		51		52	

Item 5 — HOURS WORKED BY PRODUCTION WORKERS (WAGE BOARD) by QUARTER IN 1982

(Do not include hours paid for vacations, holidays, or sick leave.)

- a. January through March
b. April through June
c. July through September
d. October through December

e. TOTAL HOURS WORKED — Sum of lines a through d

Key	Mil.	Thou.	Hours
53			
54			
55			
56			
59			

Item 6 — EARNED REVENUE IN 1982

Billings, for this establishment, for products and services provided (including progress billings):

- a. Manufacture and assembly
b. Construction and conversion (ships, airplanes, etc.)
c. Research and development
d. Other billings
(1) Overhaul, repair, and renovation
(2) Alteration and modification
(3) Other miscellaneous billings

Sum of lines (1) through (3)

e. TOTAL BILLINGS FOR PRODUCTS PRODUCED

AND SERVICES PROVIDED — Sum of lines a through d

f. The increase or decrease in unbilled costs of work in progress

g. TOTAL EARNED REVENUE — Sum of lines e and f

Key	Mil.	Thou.	Dol.
61			
62			
65			
60			
63			
64			
66			
67			
68			
69			

Item 7 — COST OF MATERIALS AND SERVICES USED FOR 1982

- a. Costs of materials, parts, components, containers, etc., used
b. Cost of products bought and sold as such
c. Costs of fuels and purchased electricity
(1) Costs of fuels consumed for heat and power
(2) Costs of purchased electricity

TOTAL COSTS OF FUELS AND PURCHASED ELECTRICITY — Sum of lines (1) and (2)

- d. Costs of contract work done for you by others
e. Wages and salaries (same as item 4, col. 3)

f. TOTAL COST — Sum of lines a through e

Key	Mil.	Thou.	Dol.
71			
72			
73			
74			
75			
76			
77			
79			

Item 8 — CHECKS TO ASSURE A COMPLETE AND ACCURATE REPORT

The Bureau of the Census reviews your report for omissions, inconsistencies, and unusual ratios. To save you future correspondence about these problems, please make the following checks before returning your report.

- Review the report carefully to see that no items are omitted for the year being covered.
- Calculate and enter figures for the four "reasonableness" checks below, and review the results.
- Correct your report for any errors you find and explain unusual figures in remarks.

For most manufacturing establishments, the figures computed usually fall within the ranges indicated.

"Reasonableness" checks	Calculation required for each check	Figures for survey year	Usual range
a. Average hourly wages per production worker	Item 3a (Production workers' wages) ÷ item 5e (Total hours worked)	\$/hr.	\$3—\$15
b. Hours worked per year per production worker	Item 5e (Total hours worked) ÷ item 3c(1) (Average number of production workers)	Hrs./yr.	1000—3000
c. Salaries and wages per dollar of earned revenue	Item 4(3) (Total payroll) ÷ item 6g (Total earned revenue)	¢	05¢—95¢
d. Material cost per dollar of earned revenue	Item 7f (Total material cost) ÷ item 6g (Total earned revenue)	¢	05¢—95¢
e. Is the total for value of earned revenue (item 6g) greater than the sum for total annual payroll (item 4(3)) plus total cost of materials, etc. (item 7f)?		→ <input type="checkbox"/> YES <input type="checkbox"/> NO — Explain in remarks	

REMARKS — Please use this space for any explanations that may be essential in understanding your reported data.

Item 9 — CERTIFICATION — This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report — Print or type	Area code	Telephone Number	Extension	Period covered by this report	FROM: Mo. Day Year	TO: Mo. Day Year
Address — Number and street				Signature of authorized person		
City	State	ZIP code	Title	Date		

FORM MA-171 (11-29-82)

<p>FORM MC-D4 (9-15-82)</p>	<p>NOTICE — Response to this inquiry is required by law (title 13, U.S. Code). By the same law, your report to the Census Bureau is confidential. It may be seen only by sworn Census employees and may be used only for statistical purposes. The law also provides that copies retained in your files are immune from legal process.</p>
<p>U.S. DEPARTMENT OF COMMERCE BUREAU OF THE CENSUS</p> <p>1982 CENSUS OF MANUFACTURES</p> <p>REPORT FROM PENAL INSTITUTIONS</p>	<p>PLEASE COMPLETE AND RETURN THE FORM WHICH SHOWS YOUR NAME AND ADDRESS</p> <p><i>Please correct any errors in name or address including ZIP code</i></p>

INSTRUCTIONS



This report should cover products made in 1982 in all penal institutions under your jurisdiction.

Complete items 1 and 2 and certification on reverse.

Item 1 — Report the approximate value of all products produced and either used within the institutions or transferred to other government units.

Item 2 — List the names of the institutions covered by this report. Use the remarks section if more space is required.

Item 1 – TOTAL VALUE OF PRODUCTION

Line No.	Product (a)	Value (Thousands of dollars) (b)	Census use only (c)
1	Meat products	\$	201
2	Dairy products		202
3	Canned or preserved fruits and vegetables		203
4	Grain mill products		204
5	Coffee and tea		209
6	Tobacco (chewing and smoking) and snuff		213
7	Blankets, cotton		221
8	Woven fabrics, wool		223
9	Cordage and twine		2298
10	Apparel and clothing, including uniforms, coats, etc.		231—238
11	Sheets and pillowcases		2392
12	Canvass and related products		2394
13	Mattresses		251
14	Office furniture		252
15	Public building and related furniture		253
16	Printing and binding		275
17	Soaps, detergents, cleaners, and toilet preparations		284
18	Paints and allied products		285
19	Footwear, except rubber		314
20	Brick or block (either clay or concrete)		325/327
21	Motor vehicle license plates (Count a set of front and rear plates as two plates.)		346
22	Miscellaneous fabricated metal products		349
23	Highway and road signs		398
24	Brooms and brushes		399
25	All other products — Specify kind 		
26			
27			
28			
29			
30	TOTAL — Sum of lines 1—29 	\$	

Item 2 — INSTITUTIONS COVERED BY THIS REPORT

[illegible]

APPENDIX B.

Standard Consolidated Statistical Areas and Standard Metropolitan Statistical Areas

[Titles and definitions shown for SCSA's and SMSA's are those established by the Office of Management and Budget, as of January 1982]

Standard Consolidated Statistical Areas

SCSA and definition	SCSA and definition	SCSA and definition
Boston-Lawrence-Lowell, Mass.-N.H. Boston, Mass., SMSA Brockton, Mass., SMSA Lawrence-Haverhill, Mass.-N.H., SMSA Lowell, Mass.-N.H., SMSA	Houston-Galveston, Tex. Galveston-Texas City, Tex., SMSA Houston, Tex., SMSA Indianapolis-Anderson, Ind.² Anderson, Ind., SMSA Indianapolis, Ind., SMSA	New York-Newark-Jersey City, N.Y.-N.J.-Conn.— Con. New York, N.Y.-N.J., SMSA Newark, N.J., SMSA Norwalk, Conn., SMSA Paterson-Clifton-Passaic, N.J., SMSA Stamford, Conn., SMSA
Chicago-Gary-Kenosha, Ill.-Ind.-Wis.¹ Chicago, Ill., SMSA Gary-Hammond-East Chicago, Ind., SMSA Kenosha, Wis., SMSA ¹	Los Angeles-Long Beach-Anaheim, Calif. Anaheim-Santa Ana-Garden Grove, Calif., SMSA Los Angeles-Long Beach, Calif., SMSA Oxnard-Simi Valley-Ventura, Calif., SMSA Riverside-San Bernardino-Ontario, Calif., SMSA	Philadelphia-Wilmington-Trenton, Pa.-Del.-N.J.-Md. Philadelphia, Pa.-N.J., SMSA Trenton, N.J., SMSA Wilmington, Del.-N.J.-Md., SMSA
Cincinnati-Hamilton, Ohio-Ky.-Ind. Cincinnati, Ohio-Ky.-Ind., SMSA Hamilton-Middletown, Ohio, SMSA	Miami-Fort Lauderdale, Fla. Fort Lauderdale-Hollywood, Fla., SMSA Miami, Fla., SMSA	Providence-Fall River, R.I.-Mass.² Fall River, Mass.-R.I., SMSA Providence-Warwick-Pawtucket, R.I.-Mass., SMSA
Cleveland-Akron-Lorain, Ohio Akron, Ohio, SMSA Cleveland, Ohio, SMSA Lorain-Elyria, Ohio, SMSA	Milwaukee-Racine, Wis. Milwaukee, Wis., SMSA Racine, Wis., SMSA	San Francisco-Oakland-San Jose, Calif. San Francisco-Oakland, Calif., SMSA San Jose, Calif., SMSA Santa Rosa, Calif., SMSA ³ Vallejo-Fairfield-Napa, Calif., SMSA
Dayton-Springfield, Ohio² Dayton, Ohio, SMSA Springfield, Ohio, SMSA	New York-Newark-Jersey City, N.Y.-N.J.-Conn. Jersey City, N.J., SMSA Long Branch-Asbury Park, N.J., SMSA Nassau-Suffolk, N.Y., SMSA New Brunswick-Perth Amboy-Sayreville, N.J., SMSA	Seattle-Tacoma, Wash. Seattle-Everett, Wash., SMSA Tacoma, Wash., SMSA
Detroit-Ann Arbor, Mich. Ann Arbor, Mich., SMSA Detroit, Mich., SMSA		

¹1977 title was Chicago-Gary, Ill.-Ind.; Kenosha, Wis., SMSA has been added.

²New SCSA since 1977 Economic Censuses.

³Santa Rosa, Calif., SMSA added since 1977 Economic Censuses.

Standard Metropolitan Statistical Areas

SMSA and definition	SMSA and definition	SMSA and definition
Abilene, Tex. Callahan County, Tex. Jones County, Tex. Taylor County, Tex.	Altoona, Pa. Blair County, Pa.	Athens, Ga.¹ Clarke County, Ga. Jackson County, Ga. Madison County, Ga. Oconee County, Ga.
Akron, Ohio Portage County, Ohio Summit County, Ohio	Amarillo, Tex. Potter County, Tex. Randall County, Tex.	Atlanta, Ga. Butts County, Ga. Cherokee County, Ga. Clayton County, Ga. Cobb County, Ga. De Kalb County, Ga.
Albany, Ga. Dougherty County, Ga. Lee County, Ga.	Anaheim-Santa Ana-Garden Grove, Calif. Orange County, Calif.	Douglas County, Ga. Fayette County, Ga. Forsyth County, Ga. Fulton County, Ga. Gwinnett County, Ga.
Albany-Schenectady-Troy, N.Y. Albany County, N.Y. Montgomery County, N.Y. Rensselaer County, N.Y. Saratoga County, N.Y. Schenectady County, N.Y.	Anchorage, Alaska Anchorage Borough, Alaska	Henry County, Ga. Newton County, Ga. Paulding County, Ga. Rockdale County, Ga. Walton County, Ga.
Albuquerque, N. Mex. Bernalillo County, N. Mex. Sandoval County, N. Mex.	Anderson, Ind. Madison County, Ind.	Atlantic City, N.J. Atlantic County, N.J.
Alexandria, La. Grant Parish, La. Rapides Parish, La.	Anderson, S.C.¹ Anderson County, S.C.	Augusta, Ga.-S.C. Columbia County, Ga. Richmond County, Ga. Aiken County, S.C.
Allentown-Bethlehem-Easton, Pa.-N.J. Warren County, N.J. Carbon County, Pa. Lehigh County, Pa. Northampton County, Pa.	Ann Arbor, Mich. Washtenaw County, Mich.	
	Anniston, Ala. Calhoun County, Ala.	
	Appleton-Oshkosh, Wis. Calumet County, Wis. Outagamie County, Wis. Winnebago County, Wis.	
	Asheville, N.C. Buncombe County, N.C. Madison County, N.C.	

See footnotes at end of table.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Austin, Tex. Hays County, Tex. Travis County, Tex. Williamson County, Tex.	Boston, Mass. Essex County, Mass. (part) Beverly city, Mass. Boxford town, Mass. Danvers town, Mass. Hamilton town, Mass. Lynn city, Mass. Lynnfield town, Mass. Manchester town, Mass. Marblehead town, Mass. Middleton town, Mass. Nahant town, Mass. Peabody city, Mass. Salem city, Mass. Saugus town, Mass. Swampscott town, Mass. Topsfield town, Mass. Wenham town, Mass. Middlesex County, Mass. (part) Acton town, Mass. Arlington town, Mass. Ashland town, Mass. Bedford town, Mass. Belmont town, Mass. Boxborough town, Mass. Burlington town, Mass. Cambridge city, Mass. Carlisle town, Mass. Concord town, Mass. Everett city, Mass. Framingham town, Mass. Holliston town, Mass. Lexington town, Mass. Lincoln town, Mass. Malden city, Mass. Medford city, Mass. Melrose city, Mass. Natick town, Mass. Newton city, Mass. North Reading town, Mass. Reading town, Mass. Sherborn town, Mass. Somerville city, Mass. Stoneham town, Mass. Sudbury town, Mass. Wakefield town, Mass. Waltham city, Mass. Watertown town, Mass. Wayland town, Mass. Weston town, Mass. Wilmington town, Mass. Winchester town, Mass. Woburn city, Mass. Norfolk County, Mass. (part) Bellingham town, Mass. Braintree town, Mass. Brookline town, Mass. Canton town, Mass. Cohasset town, Mass. Dedham town, Mass. Dover town, Mass. Foxborough town, Mass. Franklin town, Mass. Holbrook town, Mass. Medfield town, Mass. Medway town, Mass. Millis town, Mass. Milton town, Mass. Needham town, Mass. Norfolk town, Mass. Norwood town, Mass. Quincy city, Mass. Randolph town, Mass. Sharon town, Mass.	Boston, Mass.—Con. Norfolk County, Mass. (part)—Con. Stoughton town, Mass. Walpole town, Mass. Wellesley town, Mass. Westwood town, Mass. Weymouth town, Mass. Wrentham town, Mass. Plymouth County, Mass. (part) Abington town, Mass. Duxbury town, Mass. Hanover town, Mass. Hanson town, Mass. Hingham town, Mass. Hull town, Mass. Kingston town, Mass. Marshfield town, Mass. Norwell town, Mass. Pembroke town, Mass. Rockland town, Mass. Scituate town, Mass. Suffolk County, Mass. Boston city, Mass. Chelsea city, Mass. Revere city, Mass. Winthrop town, Mass. Bradenton, Fla. Manatee County, Fla.
Bakersfield, Calif. Kern County, Calif.		Bradenton, Fla. Manatee County, Fla.
Baltimore, Md. Anne Arundel County, Md. Baltimore County, Md. Carroll County, Md. Harford County, Md. Howard County, Md. Baltimore city, Md. ²		Bremerton, Wash.¹ Kitsap County, Wash.
Bangor, Maine¹ Penobscot County, Maine (part) Bangor city, Maine Brewer city, Maine Eddington town, Maine Glenburn town, Maine Hampden town, Maine Hermon town, Maine Holden town, Maine Kenduskeag town, Maine Old Town city, Maine Orono town, Maine Orrington town, Maine Penobscot Indian Island Indian Reservation, Maine Waldo County, Maine (part) Winterport town, Maine		Bridgeport, Conn. Fairfield County, Conn. (part) Bridgeport city, Conn. Easton town, Conn. Fairfield town, Conn. Monroe town, Conn. Shelton city, Conn. Stratford town, Conn. Trumbull town, Conn. New Haven County, Conn. (part) Derby city, Conn. Milford city, Conn. Milford town balance, Conn. ³ Woodmont borough, Conn. ³
Baton Rouge, La. Ascension Parish, La. East Baton Rouge Parish, La. Livingston Parish, La. West Baton Rouge Parish, La.		Bristol, Conn. Hartford County, Conn. (part) Bristol city, Conn. Burlington town, Conn. Litchfield County, Conn. (part) Plymouth town, Conn.
Battle Creek, Mich. Barry County, Mich. Calhoun County, Mich.		Brockton, Mass. Bristol County, Mass. (part) Easton town, Mass. Norfolk County, Mass. (part) Avon town, Mass. Plymouth County, Mass. (part) Bridgewater town, Mass. Brockton city, Mass. East Bridgewater town, Mass. Halifax town, Mass. West Bridgewater town, Mass. Whitman town, Mass.
Bay City, Mich. Bay County, Mich.		Brownsville-Harlingen-San Benito, Tex. Cameron County, Tex.
Beaumont-Port Arthur-Orange, Tex. Hardin County, Tex. Jefferson County, Tex. Orange County, Tex.		Bryan-College Station, Tex. Brazos County, Tex.
Bellingham, Wash.¹ Whatcom County, Wash.		Buffalo, N.Y. Erie County, N.Y. Niagara County, N.Y.
Benton Harbor, Mich.¹ Berrien County, Mich.		Burlington, N.C. Alamance County, N.C.
Billings, Mont. Yellowstone County, Mont.		Burlington, Vt.¹ Chittenden County, Vt. (part) Burlington city, Vt. Charlotte town, Vt. Colchester town, Vt. Essex Junction village, Vt. Essex town balance, Vt.
Biola-Gulfport, Miss. Hancock County, Miss. Harrison County, Miss. Stone County, Miss.		
Binghamton, N.Y.-Pa. Broome County, N.Y. Tioga County, N.Y. Susquehanna County, Pa.		
Birmingham, Ala. Jefferson County, Ala. St. Clair County, Ala. Shelby County, Ala. Walker County, Ala.		
Bismarck, N. Dak.¹ Burleigh County, N. Dak. Morton County, N. Dak.		
Bloomington, Ind. Monroe County, Ind.		
Bloomington-Normal, Ill. McLean County, Ill.		
Boise City, Idaho Ada County, Idaho		

See footnotes at end of table.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Burlington, Vt.¹—Con. Chittenden County, Vt. (part)—Con. Hinesburg town, Vt. Jericho town, Vt. Jericho village, Vt. Milton town, Vt. Milton village, Vt. Richmond town, Vt. Richmond village, Vt. Shelburne town, Vt. South Burlington city, Vt. St. George town, Vt. Williston town, Vt. Winooski city, Vt. Franklin County, Vt. (part) Georgia town, Vt. Grand Isle County, Vt. (part) South Hero town, Vt.	Columbia, Mo. Boone County, Mo. Columbia, S.C. Lexington County, S.C. Richland County, S.C. Columbus, Ga.-Ala. Russell County, Ala. Chattahoochee County, Ga. Muscogee County, Ga. ⁴ Columbus, Ohio Delaware County, Ohio Fairfield County, Ohio Franklin County, Ohio Madison County, Ohio Pickaway County, Ohio Corpus Christi, Tex. Nueces County, Tex. San Patricio County, Tex. Cumberland, Md.-W. Va.¹ Allegany County, Md. Mineral County, W. Va. Dallas-Fort Worth, Tex. Collin County, Tex. Dallas County, Tex. Denton County, Tex. Ellis County, Tex. Hood County, Tex. Johnson County, Tex. Kaufman County, Tex. Parker County, Tex. Rockwall County, Tex. Tarrant County, Tex. Wise County, Tex. Danbury, Conn. Fairfield County, Conn. (part) Bethel town, Conn. Brookfield town, Conn. Danbury city, Conn. New Fairfield town, Conn. Newtown town, Conn. Redding town, Conn. Litchfield County, Conn. (part) New Milford town, Conn.	Duluth-Superior, Minn.-Wis. St. Louis County, Minn. Douglas County, Wis. Eau Claire, Wis. Chippewa County, Wis. Eau Claire County, Wis. El Paso, Tex. El Paso County, Tex. Elkhart, Ind.¹ Elkhart County, Ind. Elmira, N.Y. Chemung County, N.Y. Enid, Okla.¹ Garfield County, Okla. Erle, Pa. Erie County, Pa. Eugene-Springfield, Oreg. Lane County, Oreg. Evansville, Ind.-Ky. Gibson County, Ind. Posey County, Ind. Vanderburgh County, Ind. Warrick County, Ind. Henderson County, Ky. Fall River, Mass.-R.I. Bristol County, Mass. (part) Dighton town, Mass. Fall River city, Mass. Somerset town, Mass. Swansea town, Mass. Westport town, Mass. Newport County, R.I. (part) Little Compton town, R.I. Portsmouth town, R.I. Tiverton town, R.I.
Canton, Ohio Carroll County, Ohio Stark County, Ohio Casper, Wyo.¹ Natrona County, Wyo.	Dallas-Fort Worth, Tex. Collin County, Tex. Dallas County, Tex. Denton County, Tex. Ellis County, Tex. Hood County, Tex. Johnson County, Tex. Kaufman County, Tex. Parker County, Tex. Rockwall County, Tex. Tarrant County, Tex. Wise County, Tex.	Evansville, Ind.-Ky. Gibson County, Ind. Posey County, Ind. Vanderburgh County, Ind. Warrick County, Ind. Henderson County, Ky.
Cedar Rapids, Iowa Linn County, Iowa	Danville, Va.¹ Pittsylvania County, Va. Danville city, Va. ²	Fargo-Moorhead, N. Dak.-Minn. Clay County, Minn. Cass County, N. Dak.
Champaign-Urbana-Rantoul, Ill. Champaign County, Ill.	Davenport-Rock Island-Moline, Iowa-Ill. Henry County, Ill. Rock Island County, Ill. Scott County, Iowa	Fayetteville, N.C. Cumberland County, N.C.
Charleston-North Charleston, S.C. Berkeley County, S.C. Charleston County, S.C. Dorchester County, S.C.	Dayton, Ohio Greene County, Ohio Miami County, Ohio Montgomery County, Ohio Preble County, Ohio	Fayetteville-Springdale, Ark. Benton County, Ark. Washington County, Ark.
Charleston, W. Va. Kanawha County, W. Va. Putnam County, W. Va.	Daytona Beach, Fla. Volusia County, Fla.	Fitchburg-Leominster, Mass. Middlesex County, Mass. (part) Shirley town, Mass. Townsend town, Mass.
Charlotte-Gastonia, N.C. Gaston County, N.C. Mecklenburg County, N.C. Union County, N.C.	Decatur, Ill. Macon County, Ill.	Fitchburg-Leominster, Mass. Middlesex County, Mass. (part) Shirley town, Mass. Townsend town, Mass.
Charlottesville, Va.¹ Albemarle County, Va. Fluvanna County, Va. Greene County, Va. Charlottesville city, Va. ²	Des Moines, Iowa Polk County, Iowa Warren County, Iowa	Fort Collins, Colo. Larimer County, Colo.
Chattanooga, Tenn.-Ga. Catoosa County, Ga. Dade County, Ga. Walker County, Ga. Hamilton County, Tenn. Marion County, Tenn. Sequatchie County, Tenn.	Detroit, Mich. Lapeer County, Mich. Livingston County, Mich. Macomb County, Mich. Oakland County, Mich. St. Clair County, Mich. Wayne County, Mich.	Fort Lauderdale-Hollywood, Fla. Broward County, Fla.
Chicago, Ill. Cook County, Ill. Du Page County, Ill. Kane County, Ill. Lake County, Ill. McHenry County, Ill. Will County, Ill.	Dubuque, Iowa Dubuque County, Iowa	Fort Myers-Cape Coral, Fla.¹ Lee County, Fla.
Chico, Calif.¹ Butte County, Calif.		Fort Smith, Ark.-Okla. Crawford County, Ark. Sebastian County, Ark. Le Flore County, Okla. Sequoyah County, Okla.
Cincinnati, Ohio-Ky.-Ind. Dearborn County, Ind. Boone County, Ky. Campbell County, Ky. Kenton County, Ky. Clermont County, Ohio Hamilton County, Ohio Warren County, Ohio		Fort Walton Beach, Fla.¹ Okaloosa County, Fla.
Clarksville-Hopkinsville, Tenn.-Ky. Christian County, Ky. Montgomery County, Tenn.		
Cleveland, Ohio Cuyahoga County, Ohio Geauga County, Ohio Lake County, Ohio Medina County, Ohio		
Colorado Springs, Colo. El Paso County, Colo. Teller County, Colo.		

See footnotes at end of table.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Fort Wayne, Ind. Adams County, Ind. Allen County, Ind. De Kalb County, Ind. Wells County, Ind.	Hartford, Conn.—Conn. Hartford County, Conn. (part)—Conn. Simsbury town, Conn. South Windsor town, Conn. Suffield town, Conn. West Hartford town, Conn. Wethersfield town, Conn. Windsor Locks town, Conn. Windsor town, Conn. Litchfield County, Conn. (part) New Hartford town, Conn. Middlesex County, Conn. (part) Cromwell town, Conn. East Hampton town, Conn. Portland town, Conn. New London County, Conn. (part) Colchester borough, Conn. Colchester town balance, Conn. Tolland County, Conn. (part) Andover town, Conn. Bolton town, Conn. Columbia town, Conn. Coventry town, Conn. Ellington town, Conn. Hebron town, Conn. Stafford Springs borough, Conn. Stafford town balance, Conn. Tolland town, Conn. Vernon town, Conn. Willington town, Conn.	Jersey City, N.J. Hudson County, N.J.
Fresno, Calif. Fresno County, Calif.	Hickory, N.C.¹ Alexander County, N.C. Catawba County, N.C.	Johnson City-Kingsport-Bristol, Tenn.-Va. Carter County, Tenn. Hawkins County, Tenn. Sullivan County, Tenn. Unicoi County, Tenn. Washington County, Tenn. Scott County, Va. Washington County, Va. Bristol city, Va. ²
Gadsden, Ala. Etowah County, Ala.	Honolulu, Hawaii Honolulu County, Hawaii	Johnstown, Pa. Cambria County, Pa. Somerset County, Pa.
Gainesville, Fla. Alachua County, Fla.	Houston, Tex. Brazoria County, Tex. Fort Bend County, Tex. Harris County, Tex. Liberty County, Tex. Montgomery County, Tex. Waller County, Tex.	Joplin, Mo.¹ Jasper County, Mo. Newton County, Mo.
Galveston-Texas City, Tex. Galveston County, Tex.	Huntington-Ashland, W. Va.-Ky.-Ohio Boyd County, Ky. Greenup County, Ky. Lawrence County, Ohio Cabell County, W. Va. Wayne County, W. Va.	Kalamazoo-Portage, Mich. Kalamazoo County, Mich. Van Buren County, Mich.
Gary-Hammond-East Chicago, Ind. Lake County, Ind. Porter County, Ind.	Huntsville, Ala. Limestone County, Ala. Madison County, Ala. Marshall County, Ala.	Kankakee, Ill. Kankakee County, Ill.
Glens Falls, N.Y.¹ Warren County, N.Y. Washington County, N.Y.	Indianapolis, Ind. Boone County, Ind. Hamilton County, Ind. Hancock County, Ind. Hendricks County, Ind. Johnson County, Ind. Marion County, Ind. Morgan County, Ind. Shelby County, Ind.	Kansas City, Mo.-Kans. Johnson County, Kans. Wyandotte County, Kans. Cass County, Mo. Clay County, Mo. Jackson County, Mo. Platte County, Mo. Ray County, Mo.
Grand Forks, N. Dak.-Minn. Polk County, Minn. Grand Forks County, N. Dak.	Iowa City, Iowa¹ Johnson County, Iowa	Kenosha, Wis. Kenosha County, Wis.
Grand Rapids, Mich. Kent County, Mich. Ottawa County, Mich.	Jackson, Mich. Jackson County, Mich.	Killeen-Temple, Tex. Bell County, Tex. Coryell County, Tex.
Great Falls, Mont. Cascade County, Mont.	Jackson, Miss. Hinds County, Miss. Rankin County, Miss.	Knoxville, Tenn. Anderson County, Tenn. Blount County, Tenn. Knox County, Tenn. Union County, Tenn.
Greeley, Colo. Weld County, Colo.	Jacksonville, Fla. Baker County, Fla. Clay County, Fla. Duval County, Fla. Nassau County, Fla. St. Johns County, Fla.	Kokomo, Ind. Howard County, Ind. Tipton County, Ind.
Green Bay, Wis. Brown County, Wis.	Jacksonville, N.C.¹ Onslow County, N.C.	La Crosse, Wis. La Crosse County, Wis.
Greensboro-Winston-Salem-High Point, N.C. Davidson County, N.C. Forsyth County, N.C. Guilford County, N.C. Randolph County, N.C. Stokes County, N.C. Yadkin County, N.C.	Janesville-Beloit, Wis.¹ Rock County, Wis.	Lafayette, La. Lafayette Parish, La.
Greenville-Spartanburg, S.C. Greenville County, S.C. Pickens County, S.C. Spartanburg County, S.C.		Lafayette-West Lafayette, Ind. Tippecanoe County, Ind.
Hagerstown, Md.¹ Washington County, Md.		Lake Charles, La. Calcasieu Parish, La.
Hamilton-Middletown, Ohio Butler County, Ohio		Lakeland-Winter Haven, Fla. Polk County, Fla.
Harrisburg, Pa. Cumberland County, Pa. Dauphin County, Pa. Perry County, Pa.		Lancaster, Pa. Lancaster County, Pa.
Hartford, Conn. Hartford County, Conn. (part) Avon town, Conn. Bloomfield town, Conn. Canton town, Conn. East Granby town, Conn. East Hartford town, Conn. East Windsor town, Conn. Enfield town, Conn. Farmington town, Conn. Glastonbury town, Conn. Granby town, Conn. Hartford city, Conn. Manchester town, Conn. Marlborough town, Conn. Newington town, Conn. Rocky Hill town, Conn.		Lansing-East Lansing, Mich. Clinton County, Mich. Eaton County, Mich. Ingham County, Mich. Ionia County, Mich.

See footnotes at end of table.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Lawrence-Haverhill, Mass.-N.H. Essex County, Mass. (part) Amesbury town, Mass. Andover town, Mass. Georgetown town, Mass. Groveland town, Mass. Haverhill city, Mass. Lawrence city, Mass. Merrimac town, Mass. Methuen town, Mass. North Andover town, Mass. Salisbury town, Mass. West Newbury town, Mass. Rockingham County, N.H. (part) Atkinson town, N.H. Hampstead town, N.H. Kingston town, N.H. Newton town, N.H. Plaistow town, N.H. Salem town, N.H. Windham town, N.H.	Macon, Ga. Bibb County, Ga. Houston County, Ga. Jones County, Ga. Twiggs County, Ga. Madison, Wis. Dane County, Wis. Manchester, N.H. Hillsborough County, N.H. (part) Bedford town, N.H. Goffstown town, N.H. Manchester city, N.H. Merrimack County, N.H. (part) Allentown town, N.H. Hooksett town, N.H. Pembroke town, N.H. Rockingham County, N.H. (part) Derry town, N.H. Londonderry town, N.H.	Nashua, N.H. Hillsborough County, N.H. (part) Amherst town, N.H. Hudson town, N.H. Merrimack town, N.H. Milford town, N.H. Nashua city, N.H.
Lawton, Okla. Comanche County, Okla.	Mansfield, Ohio Richland County, Ohio	Nashville-Davidson, Tenn. Cheatham County, Tenn. Davidson County, Tenn. Dickson County, Tenn. Robertson County, Tenn. Rutherford County, Tenn. Sumner County, Tenn. Williamson County, Tenn. Wilson County, Tenn.
Lewiston-Auburn, Maine Androscoggin County, Maine (part) Auburn city, Maine Lewiston city, Maine Lisbon town, Maine	McAllen-Pharr-Edinburg, Tex. Hidalgo County, Tex.	Nassau-Suffolk, N.Y. Nassau County, N.Y. Suffolk County, N.Y.
Lexington-Fayette, Ky. Bourbon County, Ky. Clark County, Ky. Fayette County, Ky. Jessamine County, Ky. Scott County, Ky. Woodford County, Ky.	Medford, Oreg.¹ Jackson County, Oreg.	New Bedford, Mass. Bristol County, Mass. (part) Acushnet town, Mass. Dartmouth town, Mass. Fairhaven town, Mass. Freetown town, Mass. New Bedford city, Mass.
Lima, Ohio Allen County, Ohio Auglaize County, Ohio Putnam County, Ohio Van Wert County, Ohio	Meibourne-Titusville-Cocoa, Fla. Brevard County, Fla.	Plymouth County, Mass. (part) Lakeville town, Mass. Marion town, Mass. Mattapoisett town, Mass.
Lincoln, Nebr. Lancaster County, Nebr.	Memphis, Tenn.-Ark.-Miss. Crittenden County, Ark. De Soto County, Miss. Shelby County, Tenn. Tipton County, Tenn.	New Britain, Conn. Hartford County, Conn. (part) Berlin town, Conn. New Britain city, Conn. Plainville town, Conn. Southington town, Conn.
Little Rock-North Little Rock, Ark. Pulaski County, Ark. Saline County, Ark.	Meriden, Conn. New Haven County, Conn. (part) Meriden city, Conn.	New Brunswick-Perth Amboy-Sayreville, N.J. Middlesex County, N.J.
Long Branch-Asbury Park, N.J. Monmouth County, N.J.	Miami, Fla. Dade County, Fla.	New Haven-West Haven, Conn. Middlesex County, Conn. (part) Clinton town, Conn.
Longview-Marshall, Tex.⁴ Gregg County, Tex. Harrison County, Tex.	Midland, Tex. Midland County, Tex.	New Haven County, Conn. (part) Bethany town, Conn. Branford town, Conn. East Haven town, Conn. Guilford town, Conn. Hamden town, Conn.
Lorain-Elyria, Ohio Lorain County, Ohio	Milwaukee, Wis. Milwaukee County, Wis. Ozaukee County, Wis. Washington County, Wis. Waukesha County, Wis.	Madison town, Conn. New Haven city, Conn. North Branford town, Conn. North Haven town, Conn. Orange town, Conn.
Los Angeles-Long Beach, Calif. Los Angeles County, Calif.	Minneapolis-St. Paul, Minn.-Wis. Anoka County, Minn. Carver County, Minn. Chisago County, Minn. Dakota County, Minn. Hennepin County, Minn.	Wallingford town, Conn. West Haven city, Conn. Woodbridge town, Conn.
Louisville, Ky.-Ind. Clark County, Ind. Floyd County, Ind. Bullitt County, Ky. Jefferson County, Ky. Oldham County, Ky.	Mobile, Ala. Baldwin County, Ala. Mobile County, Ala.	New London-Norwich, Conn.-R.I. Middlesex County, Conn. (part) Fenwick borough, Conn. ⁷ Old Saybrook town, Conn.
Lowell, Mass.-N.H. Middlesex County, Mass. (part) Billerica town, Mass. Chelmsford town, Mass. Dracut town, Mass. Lowell city, Mass. Tewksbury town, Mass. Tyngsborough town, Mass. Westford town, Mass.	Modesto, Calif. Stanislaus County, Calif.	New London County, Conn. (part) Bozrah town, Conn. East Lyme town, Conn. Griswold town balance, Conn. Groton city, Conn. Groton town balance, Conn.
Hillsborough County, N.H. (part) Pelham town, N.H.	Montgomery, Ala. Autauga County, Ala. Elmore County, Ala. Montgomery County, Ala.	Jewett City borough, Conn. Ledyard town, Conn. Lisbon town, Conn. Montville town, Conn. New London city, Conn.
Lubbock, Tex. Lubbock County, Tex.	Muncie, Ind. Delaware County, Ind.	
Lynchburg, Va. Amherst County, Va. Appomattox County, Va. Campbell County, Va. Lynchburg city, Va. ²	Muskegon-Norton Shores-Muskegon Heights, Mich. Muskegon County, Mich. Oceana County, Mich.	

See footnotes at end of table.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
<p>New London-Norwich, Conn.-R.I.—Con. New London County, Conn. (part)—Con. Norwich city, Conn. Old Lyme town, Conn. Preston town, Conn. Sprague town, Conn. Stonington town, Conn. Waterford town, Conn.</p> <p>Washington County, R.I. (part) Hopkinton town, R.I. Westerly town, R.I.</p>	<p>Orlando, Fla. Orange County, Fla. Osceola County, Fla. Seminole County, Fla.</p> <p>Owensboro, Ky. Davies County, Ky.</p> <p>Oxnard-Simi Valley-Ventura, Calif. Ventura County, Calif.</p>	<p>Portland, Maine—Con. Cumberland County, Maine (part)—Con. Portland city, Maine Scarborough town, Maine South Portland city, Maine Westbrook city, Maine Windham town, Maine Yarmouth town, Maine</p> <p>York County, Maine (part) Old Orchard Beach town, Maine Saco city, Maine</p>
<p>New Orleans, La. Jefferson Parish, La. Orleans Parish, La. St. Bernard Parish, La. St. Tammany Parish, La.</p>	<p>Panama City, Fla. Bay County, Fla.</p>	<p>Portland, Oreg.-Wash. Clackamas County, Oreg. Multnomah County, Oreg. Washington County, Oreg. Clark County, Wash.</p>
<p>New York, N.Y.-N.J. Bergen County, N.J. Bronx County, N.Y. Kings County, N.Y. New York County, N.Y. Putnam County, N.Y.</p> <p>Queens County, N.Y. Richmond County, N.Y. Rockland County, N.Y. Westchester County, N.Y.</p>	<p>Parkersburg-Marietta, W. Va.-Ohio Washington County, Ohio Wirt County, W. Va. Wood County, W. Va.</p>	<p>Portsmouth-Dover-Rochester, N.H.-Maine¹ York County, Maine (part) Berwick town, Maine Eliot town, Maine Kittery town, Maine South Berwick town, Maine York town, Maine</p>
<p>Newark, N.J. Essex County, N.J. Morris County, N.J. Somerset County, N.J. Union County, N.J.</p>	<p>Pascagoula-Moss Point, Miss. Jackson County, Miss.</p>	<p>Rockingham County, N.H. (part) Greenland town, N.H. Hampton town, N.H. New Castle town, N.H. Newfields town, N.H. Newington town, N.H.</p>
<p>Newark, Ohio¹ Licking County, Ohio</p>	<p>Paterson-Cifton-Passaic, N.J. Passaic County, N.J.</p>	<p>Newmarket town, N.H. North Hampton town, N.H. Portsmouth city, N.H. Rye town, N.H.</p>
<p>Newburgh-Middletown, N.Y.¹ Orange County, N.Y.</p>	<p>Pensacola, Fla. Escambia County, Fla. Santa Rosa County, Fla.</p>	<p>Strafford County, N.H. (part) Barrington town, N.H. Dover city, N.H. Durham town, N.H. Farmington town, N.H. Lee town, N.H.</p>
<p>Newport News-Hampton, Va. Gloucester County, Va. James City County, Va. York County, Va. Hampton city, Va.² Newport News city, Va.² Poquoson city, Va.² Williamsburg city, Va.²</p>	<p>Peoria, Ill. Peoria County, Ill. Tazewell County, Ill. Woodford County, Ill.</p>	<p>Madbury town, N.H. Rochester city, N.H. Rollinsford town, N.H. Somersworth city, N.H.</p>
<p>Norfolk-Virginia Beach-Portsmouth, Va.-N.C. Currituck County, N.C. Chesapeake city, Va.² Norfolk city, Va.² Portsmouth city, Va.² Suffolk city, Va.² Virginia Beach city, Va.²</p>	<p>Petersburg-Colonial Heights-Hopewell, Va. Dinwiddie County, Va. Prince George County, Va. Colonial Heights city, Va.² Hopewell city, Va.² Petersburg city, Va.²</p>	<p>Poughkeepsie, N.Y. Dutchess County, N.Y.</p>
<p>Northeast Pennsylvania Lackawanna County, Pa. Luzerne County, Pa. Monroe County, Pa.</p>	<p>Philadelphia, Pa.-N.J. Burlington County, N.J. Camden County, N.J. Gloucester County, N.J. Bucks County, Pa. Chester County, Pa.</p> <p>Delaware County, Pa. Montgomery County, Pa. Philadelphia County, Pa.</p>	<p>Providence-Warwick-Pawtucket, R.I.-Mass. Bristol County, Mass. (part) Attleboro city, Mass. North Attleborough town, Mass. Norton town, Mass. Rehoboth town, Mass. Seekonk town, Mass.</p>
<p>Norwalk, Conn. Fairfield County, Conn. (part) Norwalk city, Conn. Weston town, Conn. Westport town, Conn. Wilton town, Conn.</p>	<p>Phoenix, Ariz. Maricopa County, Ariz.</p>	<p>Norfolk County, Mass. (part) Plainville town, Mass.</p>
<p>Ocala, Fla.¹ Marion County, Fla.</p>	<p>Pine Bluff, Ark. Jefferson County, Ark.</p>	<p>Worcester County, Mass. (part) Blackstone town, Mass. Millville town, Mass.</p>
<p>Odessa, Tex. Ector County, Tex.</p>	<p>Pittsburgh, Pa. Allegheny County, Pa. Beaver County, Pa. Washington County, Pa. Westmoreland County, Pa.</p>	<p>Bristol County, R.I. Barrington town, R.I. Bristol town, R.I. Warren town, R.I.</p>
<p>Oklahoma City, Okla. Canadian County, Okla. Cleveland County, Okla. McClain County, Okla. Oklahoma County, Okla. Pottawatomie County, Okla.</p>	<p>Pittsfield, Mass. Berkshire County, Mass. (part) Adams town, Mass. Cheshire town, Mass. Dalton town, Mass. Lanesborough town, Mass. Lee town, Mass.</p> <p>Lenox town, Mass. Pittsfield city, Mass. Stockbridge town, Mass.</p>	<p>Kent County, R.I. (part) Coventry town, R.I. East Greenwich town, R.I. Warwick city, R.I. West Warwick town, R.I.</p>
<p>Olympia, Wash.¹ Thurston County, Wash.</p>	<p>Portland, Maine Cumberland County, Maine (part) Cape Elizabeth town, Maine Cumberland town, Maine Falmouth town, Maine Freeport town, Maine Gorham town, Maine</p>	<p>Newport County, R.I. (part) Jamestown town, R.I.</p>
<p>Omaha, Nebr.-Iowa Pottawattamie County, Iowa Douglas County, Nebr. Sarpy County, Nebr.</p>		<p>Providence County, R.I. (part) Burritville town, R.I. Central Falls city, R.I. Cranston city, R.I. Cumberland town, R.I. East Providence city, R.I.</p> <p>Johnston town, R.I. Lincoln town, R.I. North Providence town, R.I. North Smithfield town, R.I. Pawtucket city, R.I.</p>

See footnotes at end of table.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Providence-Warwick-Pawtucket, R.I.-Mass.—Con. Providence County, R.I. (part)—Con. Providence city, R.I. Scituate town, R.I. Smithfield town, R.I. Woonsocket city, R.I. Washington County, R.I. (part) Narragansett town, R.I. North Kingstown town, R.I. South Kingstown town, R.I.	St. Louis, Mo.-Ill. Clinton County, Ill. Madison County, Ill. Monroe County, Ill. St. Clair County, Ill. Franklin County, Mo. Jefferson County, Mo. St. Charles County, Mo. St. Louis County, Mo. St. Louis city, Mo. ²	Springfield, Ill. Menard County, Ill. Sangamon County, Ill.
Provo-Orem, Utah Utah County, Utah	Salem, Oreg. Marion County, Oreg. Polk County, Oreg.	Springfield, Mo. Christian County, Mo. Greene County, Mo.
Pueblo, Colo. Pueblo County, Colo.	Salinas-Seaside-Monterey, Calif. Monterey County, Calif.	Springfield, Ohio Champaign County, Ohio Clark County, Ohio
Racine, Wis. Racine County, Wis.	Sallisbury-Concord, N.C.¹ Cabarrus County, N.C. Rowan County, N.C.	Springfield-Chicopee-Holyoke, Mass.-Conn. Tolland County, Conn. (part) Somers town, Conn.
Raleigh-Durham, N.C. Durham County, N.C. Orange County, N.C. Wake County, N.C.	Salt Lake City-Ogden, Utah Davis County, Utah Salt Lake County, Utah Tooele County, Utah Weber County, Utah	Hampden County, Mass. (part) Agawam town, Mass. Chicopee city, Mass. East Longmeadow town, Mass. Hampden town, Mass. Holyoke city, Mass.
Reading, Pa. Berks County, Pa.	San Angelo, Tex. Tom Green County, Tex.	Longmeadow town, Mass. Ludlow town, Mass. Monson town, Mass. Palmer town, Mass. Southwick town, Mass.
Redding, Calif.¹ Shasta County, Calif.	San Antonio, Tex. Bexar County, Tex. Comal County, Tex. Guadalupe County, Tex.	Springfield city, Mass. West Springfield town, Mass. Westfield city, Mass. Wilbraham town, Mass.
Reno, Nev. Washoe County, Nev.	San Diego, Calif. San Diego County, Calif.	Hampshire County, Mass. (part) Belchertown town, Mass. Easthampton town, Mass. Granby town, Mass. Hadley town, Mass. Hatfield town, Mass.
Richland-Kennewick-Pasco, Wash.² Benton County, Wash. Franklin County, Wash.	San Francisco-Oakland, Calif. Alameda County, Calif. Contra Costa County, Calif. Marin County, Calif. San Francisco County, Calif. San Mateo County, Calif.	Northampton city, Mass. South Hadley town, Mass. Southampton town, Mass.
Richmond, Va. Charles City County, Va. Chesterfield County, Va. Goochland County, Va. Hanover County, Va. Henrico County, Va. New Kent County, Va. Powhatan County, Va. Richmond city, Va. ²	San Jose, Calif. Santa Clara County, Calif.	Worcester County, Mass. (part) Warren town, Mass.
Riverside-San Bernardino-Ontario, Calif. Riverside County, Calif. San Bernardino County, Calif.	Santa Barbara-Santa Maria-Lompoc, Calif. Santa Barbara County, Calif.	Stamford, Conn. Fairfield County, Conn. (part) Darien town, Conn. Greenwich town, Conn. New Canaan town, Conn. Stamford city, Conn.
Roanoke, Va. Botetourt County, Va. Craig County, Va. Roanoke County, Va. Roanoke city, Va. ² Salem city, Va. ²	Santa Cruz, Calif. Santa Cruz County, Calif.	State College, Pa.¹ Centre County, Pa.
Rochester, Minn. Olmsted County, Minn.	Santa Rosa, Calif. Sonoma County, Calif.	Steubenville-Weirton, Ohio-W. Va. Jefferson County, Ohio Brooke County, W. Va. Hancock County, W. Va.
Rochester, N.Y. Livingston County, N.Y. Monroe County, N.Y. Ontario County, N.Y. Orleans County, N.Y. Wayne County, N.Y.	Sarasota, Fla. Sarasota County, Fla.	Stockton, Calif. San Joaquin County, Calif.
Rockford, Ill. Boone County, Ill. Winnebago County, Ill.	Savannah, Ga. Bryan County, Ga. Chatham County, Ga. Effingham County, Ga.	Syracuse, N.Y. Madison County, N.Y. Onondaga County, N.Y. Oswego County, N.Y.
Rock Hill, S.C.¹ York County, S.C.	Seattle-Everett, Wash. King County, Wash. Snohomish County, Wash.	Tacoma, Wash. Pierce County, Wash.
Sacramento, Calif. Placer County, Calif. Sacramento County, Calif. Yolo County, Calif.	Sharon, Pa.¹ Mercer County, Pa.	Tallahassee, Fla. Leon County, Fla. Wakulla County, Fla.
Saginaw, Mich. Saginaw County, Mich.	Shereport, La. Bossier Parish, La. Caddo Parish, La. Webster Parish, La.	Tampa-St. Petersburg, Fla. Hillsborough County, Fla. Pasco County, Fla. Pinellas County, Fla.
St. Cloud, Minn. Benton County, Minn. Sherburne County, Minn. Stearns County, Minn.	Sloux City, Iowa-Nebr. Woodbury County, Iowa Dakota County, Nebr.	Terre Haute, Ind. Clay County, Ind. Sullivan County, Ind. Vermillion County, Ind. Vigo County, Ind.
St. Joseph, Mo. Andrew County, Mo. Buchanan County, Mo.	Sloux Falls, S. Dak. Minnehaha County, S. Dak.	Texarkana, Tex.-Texarkana, Ark. Little River County, Ark. Miller County, Ark. Bowie County, Tex.
	South Bend, Ind. Marshall County, Ind. St. Joseph County, Ind.	
	Spokane, Wash. Spokane County, Wash.	

See footnotes at end of table.

Standard Metropolitan Statistical Areas—Con.

SMSA and definition	SMSA and definition	SMSA and definition
Toledo, Ohio-Mich. Monroe County, Mich. Fulton County, Ohio Lucas County, Ohio Ottawa County, Ohio Wood County, Ohio	Washington, D.C.-Md.-Va. Washington, D.C. Charles County, Md. Montgomery County, Md. Prince George's County, Md. Arlington County, Va. Fairfax County, Va. Loudoun County, Va. Prince William County, Va. Alexandria city, Va. ² Fairfax city, Va. ² Falls Church city, Va. ² Manassas city, Va. ² Manassas Park city, Va. ² Waterbury, Conn. Litchfield County, Conn. (part) Thomaston town, Conn. Watertown town, Conn. Woodbury town, Conn. New Haven County, Conn. (part) Beacon Falls town, Conn. Cheshire town, Conn. Middlebury town, Conn. Naugatuck borough, Conn. Prospect town, Conn. Southbury town, Conn. Waterbury city, Conn. Wolcott town, Conn.	Wichita Falls, Tex. Clay County, Tex. Wichita County, Tex. Williamsport, Pa. Lycoming County, Pa. Wilmington, Del.-N.J.-Md. New Castle County, Del. Cecil County, Md. Salem County, N.J. Wilmington, N.C. Brunswick County, N.C. New Hanover County, N.C. Worcester, Mass. Worcester County, Mass. (part) Auburn town, Mass. Berlin town, Mass. Boylston town, Mass. Brookfield town, Mass. Charlton town, Mass. East Brookfield town, Mass. Grafton town, Mass. Holden town, Mass. Leicester town, Mass. Millbury town, Mass. North Brookfield town, Mass. Northborough town, Mass. Northbridge town, Mass. Oxford town, Mass. Paxton town, Mass. Shrewsbury town, Mass. Spencer town, Mass. Sterling town, Mass. Sutton town, Mass. Upton town, Mass. Uxbridge town, Mass. Webster town, Mass. West Boylston town, Mass. Westborough town, Mass. Worcester city, Mass.
Topeka, Kans. Jefferson County, Kans. Osage County, Kans. Shawnee County, Kans.	Waterloo-Cedar Falls, Iowa Black Hawk County, Iowa	Yakima, Wash. Yakima County, Wash.
Trenton, N.J. Mercer County, N.J.	Wausau, Wis.¹ Marathon County, Wis.	York, Pa. Adams County, Pa. York County, Pa.
Tucson, Ariz. Pima County, Ariz.	West Palm Beach-Boca Raton, Fla. Palm Beach County, Fla.	Youngstown-Warren, Ohio Mahoning County, Ohio Trumbull County, Ohio
Tulsa, Okla. Creek County, Okla. Mayes County, Okla. Osage County, Okla. Rogers County, Okla. Tulsa County, Okla. Wagoner County, Okla.	Wheeling, W. Va.-Ohio Belmont County, Ohio Marshall County, W. Va. Ohio County, W. Va.	Yuba City, Calif.¹ Sutter County, Calif. Yuba County, Calif.
Tuscaloosa, Ala. Tuscaloosa County, Ala.	Wichita, Kans. Butler County, Kans. Sedgwick County, Kans.	
Tyler, Tex. Smith County, Tex.		
Utica-Rome, N.Y. Herkimer County, N.Y. Oneida County, N.Y.		
Vallejo-Fairfield-Napa, Calif. Napa County, Calif. Solano County, Calif.		
Victoria, Tex.¹ Victoria County, Tex.		
Vineland-Millville-Bridgeton, N.J. Cumberland County, N.J.		
Visalia-Tulare-Porterville, Calif.¹ Tulare County, Calif.		
Waco, Tex. McLennan County, Tex.		

¹New SMSA since 1977 Economic Censuses.

²Independent of any county and considered a county equivalent.

³Milford town balance and Woodmont borough added since 1977 Economic Censuses.

⁴Muscogee County is being reinstated as a county. It replaces the county equivalent record for the independent city of Columbus.

⁵1977 title was Fort Myers, Fla.

⁶1977 title was Longview, Tex.

⁷Fenwick borough added since 1977 Economic Censuses.

⁸1977 title was Richland-Kennewick, Wash.

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Publications of the 1982 Census of Manufactures, containing preliminary and final data on manufacturing establishments in the United States, are described below. Publication order forms for the specific reports may be obtained from any Department of Commerce district office or from Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

Preliminary Reports

Preliminary industry data are issued in 443 separate reports covering 452 industries (or combinations of industries). Preliminary data for States are grouped and released in reports for each of the nine census geographic divisions.

Final Reports

Final detailed statistics are issued in separate paperbound reports.

Industry series—82 reports (MC82-I-20A to -39D)

Each of the 82 reports provides information for a group of related industries (e.g., "dairy products" includes industries for butter, cheese, milk, etc.). Final figures for the United States are shown for each of the 452 manufacturing industries on quantity and value of products shipped and materials consumed, cost of fuels and electric energy, capital expenditures, assets, rents, inventories, employment, payroll, payroll supplements, hours worked, value added by manufacture, number of establishments, and number of companies. Comparative statistics for earlier years are provided where available.

For each industry, data on value of shipments, value added by manufacture, capital expenditures, employment, and payroll are shown by employment-size class of establishment and degree of primary product specialization. Statistics are given on production of specific products and consumption of energy and various materials by industry.

Geographic Area series—51 reports (MC82-A-1 to -51)

A separate report for each State and the District of Columbia presents data for industry groups and industries on value of shipments, cost of materials, value added by manufacture, employment, payroll, hours worked, new capital expenditures, and number of manufacturing establishments for the State, SMSA's, and large industrial counties and cities. Comparative statistics for earlier census years are shown for the State and large SMSA's. Manufacturing totals are presented for each county and for cities with significant manufacturing activity. Detailed statistics—including inventories, assets, rents, and energy costs—are presented only in statewide totals.

Subject series—10 reports (MC82-S-1 to -10)

Each of the 10 reports contains detailed statistics for an individual subject, such as: selected materials consumed, selected metalworking

operations, manufacturing activity in government establishments, concentration ratios in manufacturing, type of organization, water use in manufacturing, fuels and electric energy consumed (separate publications for industry statistics, and State and SMSA statistics), textile machinery in place, production indexes, and a general National-level summary.

Final Report Volumes

Final paperbound reports are subsequently assembled and reissued in cloth bound volumes.

- Volume I. Summary and Subject Statistics—data previously issued in series MC82-S.
- Volume II. Industry Statistics—data previously issued in series MC82-I.
 - Part 1. Major Groups 20 to 26
 - Part 2. Major Groups 27 to 34
 - Part 3. Major Groups 35 to 39
- Volume III. Geographic Area Statistics—data previously issued in series MC82-A.
 - Part 1. Alabama to Montana
 - Part 2. Nebraska to Wyoming

Microfiche

All published data are also available on microfiche.

Computer Tapes

Public-use computer tapes contain most of the summary data that are found in the published reports. In addition to the published data being on computer tape, one major data series, the location of manufacturing plants, will be available only on computer tape. Public-use computer tapes are available for users who wish to summarize, rearrange, or process large amounts of data. Information concerning these tapes may be obtained from the Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

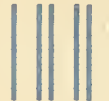
OTHER ECONOMIC CENSUSES REPORTS

Data on retail trade, wholesale trade, service industries, construction industries, mineral industries, enterprise statistics, minority-owned businesses, women-owned businesses, and transportation also are issued as part of the 1982 Economic Censuses. A separate series of reports covers the censuses of outlying areas—Puerto Rico, Virgin Islands of the United States, Guam, and the Northern Mariana Islands. All published reports and microfiche are sold by the Superintendent of Documents, Government Printing Office. Appropriate announcements and order forms describing these products are available free of charge from Customer Services Branch, Data User Services Division, Bureau of the Census, Washington, D.C. 20233.

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